

*architecture / engineering / construction*

# ***symposia***

**february, 1969**

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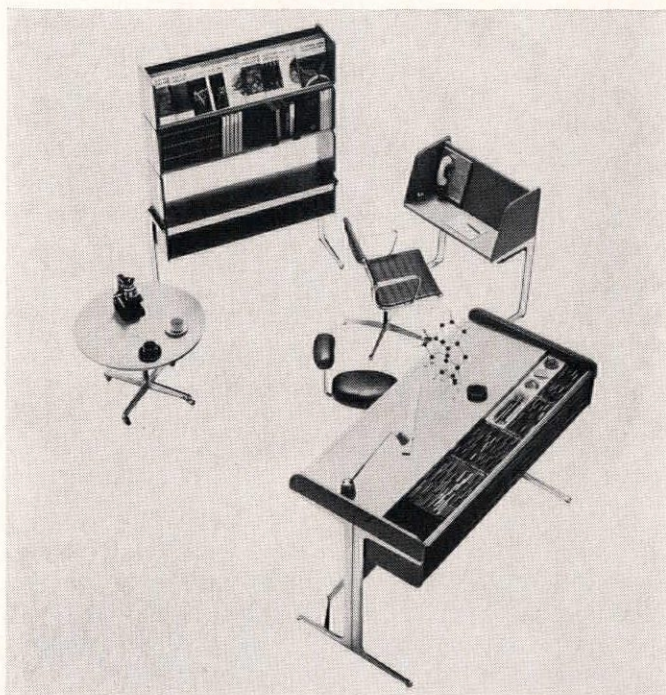
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# *symposia*

**construction communications  
in the Rocky Mountain West**

VOLUME 3

NUMBER 9

FEBRUARY, 1969

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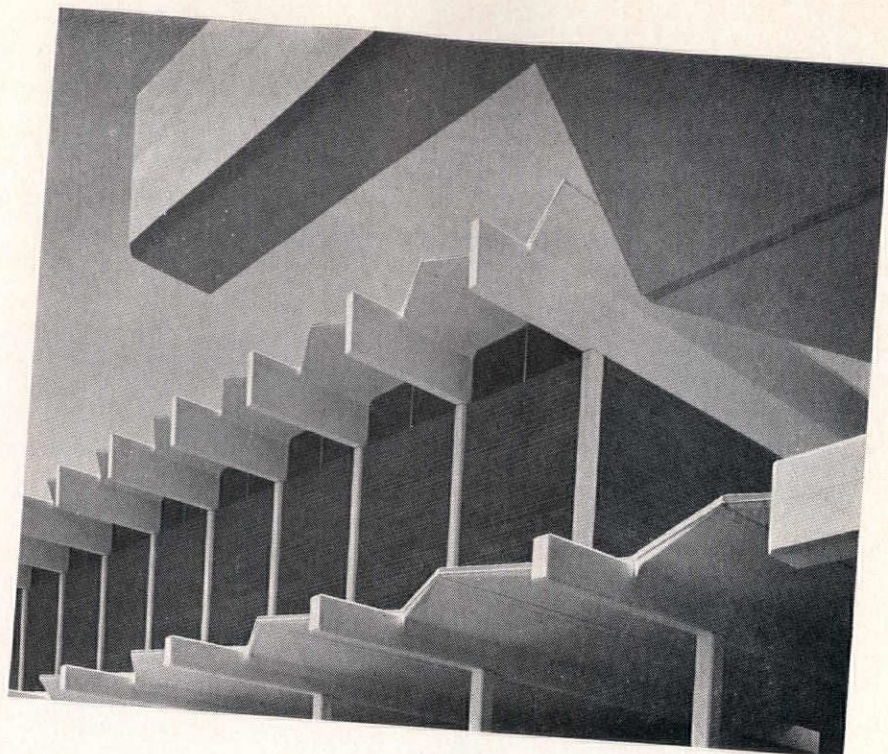
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Ronn Ginn, AIA

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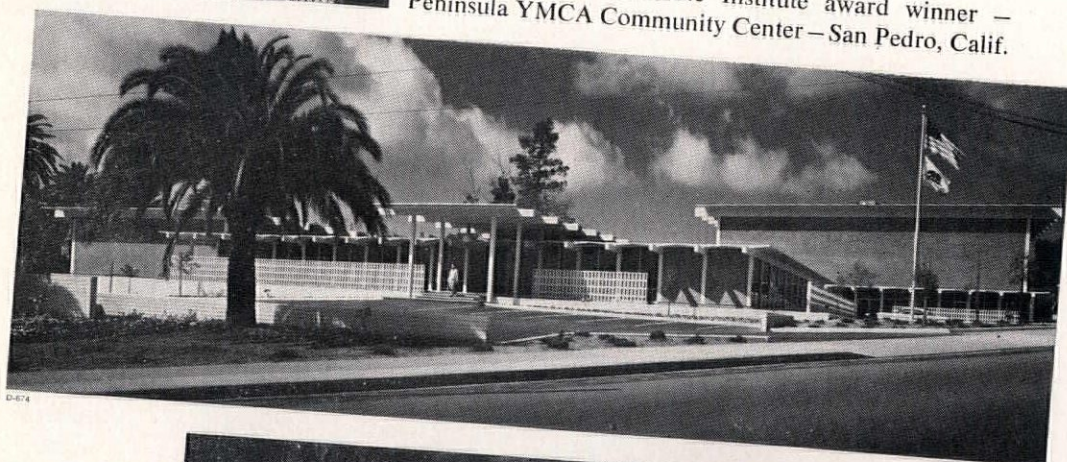
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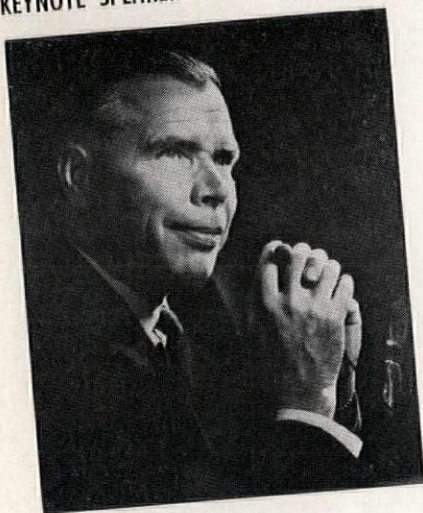


# NATIONAL PRECAST CONCRETE ASSOCIATION

## FOURTH ANNUAL CONVENTION AND INDUSTRY EXPOSITION

### FEBRUARY 16-19, 1969 . . . DENVER, COLORADO

#### KEYNOTE SPEAKER



Cris Dobbins, President  
Ideal Basic Industries, Inc.

As President and Chairman of the Board of Ideal Basic Industries, Denver, Colorado, Mr. Cris Dobbins is singularly qualified to keynote the Fourth Annual Convention of the NPCA. Mr. Dobbins has selected as his topic—"Precast Concrete, Bright Future!"

A native of Denver, he is a graduate of the University of Denver with a Bachelor of Science Degree in Business Administration, and the recipient of an Honorary LLD Degree from the University in 1967. Throughout his very active business career, Mr. Dobbins has also found time to devote to his community, serving in an executive capacity a myriad of civic organizations including the Boys Scouts of America, Central City Opera House Association, Public Expenditure Council of Colorado, St. Luke's Hospital, the Air Force Academy Foundation, and many others. He was elected President and Director of the American Mining Congress in January of 1968. Mr. Dobbins' significant views on the "Bright Future" should be of great moment to not only the Association, but to all members of the Building Industry.

## THE PROGRAM ★ THEME "TOTAL INVOLVEMENT"

Registration for the Convention will be in the Convention Lobby. All events will be held at the Denver-Hilton Hotel unless otherwise noted in the Program.

### SUNDAY, FEBRUARY 16

- 8:00 a.m. - 6:00 p.m. Exposition Set Up  
(Assembly I, II, III)
- 12:30 p.m. - 4:30 p.m. Board of Directors Luncheon and Meeting (Colorado Room)  
Members are invited to attend as observers
- 2:00 p.m. - 8:00 p.m. Registration
- 6:00 p.m. - 8:00 p.m. "Early Bird" Reception/Cocktails.  
Hors d'oeuvres (Silver Room)

### MONDAY, FEBRUARY 17

- Chairman of the Day: **Frank Brooks, Jr.**  
First Vice President
- 8:00 a.m. - 6:00 p.m. Registration
- 8:00 a.m. Breakfast (Grand Ballroom)
- 9:00 a.m. FIRST GENERAL SESSION  
(Junior Ballroom)
- Annual Business Meeting
- President's Report/**Hal Thurmond**
- Executive Director's Report/**Robert W. Walton**
- Committee Reports
- Election of Directors
- 9:45 a.m. Coffee Break
- 10:00 a.m. "New Precast Concrete Products & Developments in the Precast Concrete Industry"

Speaker: **Donald W. Pfeifer** (Manager, Products Research Section, Portland Cement Association)  
Question and Answer Session  
"A New and Revolutionary Method for the Production of Concrete"  
Speaker: **Arthur Clements** (Vice President, Interstruct Corporation, Rio Piedras, Puerto Rico)  
"The Precaster — Which Way?"  
The Profitable Development of European Precasting Based on Precision, Pre-Engineered Forming Systems — **Kenneth Jessop** (Stelmo Co., Charing, Ashford-Kent, England)

- 12:00 Noon Adjourn First Session
- 12:30 p.m. LUNCHEON (Grand Ballroom)  
Keynote Speaker: **Cris Dobbins**  
(President and Chairman of the Board/Ideal Basic Industries, Denver, Colo.)  
"Precast Concrete, Bright Future!"

- 2:00 p.m. - 6:30 p.m. PRECAST CONCRETE INDUSTRIES EXPOSITION
- 5:00 p.m. - 6:00 p.m. Exposition Hospitality Hour  
(Assembly I, II, III)

7:00 p.m.-Midnight "Get Acquainted Party"  
(Grand Ballroom)  
Wine and Cheese Reception—Chuck  
Wagon Buffet—Western Motif—  
Square Dancing—No Host Bar  
following Buffet

## TUESDAY, FEBRUARY 18

Chairman of the Day: **G. Carlton Snowe**,  
Second Vice President

- 8:00 a.m.-6:00 p.m. Registration  
8:00 a.m. Breakfast (Junior Ballroom)  
9:00 a.m. **SECOND GENERAL SESSION**  
*Marketing Workshops to be held in  
Gold, Century, Spruce and Den-  
ver Rooms*
- (a) "Marketing"  
Moderator: **Leroy Klueter** (Klueter  
Bros., Edwardsville, Illinois)
  - (b) "Waste Disposal Systems"  
Moderator: **Nels Mensley** (Western  
Construction Products, Saskatoon,  
Saskatchewan)
  - (c) "Pre-engineered Packaged Precast  
Concrete Buildings"  
Moderators: **Howard Gilbertson**  
(Portland Cement Association,  
Chicago, Illinois); **Kenneth Jessop**  
(Stelmo Co., Charing, Ashford—  
Kent, England)
  - (d) "Architectural Precast Concrete"  
Moderators: **Claude Smith** (Cast-A-  
Stone, Raleigh, North Carolina);  
**Paul Buehner** (Buehner Brothers,  
Salt Lake City, Utah)
  - (e) "Utility/Underground Products"  
Moderators: **Frank Brooks, Jr.**  
(Brooks Products, Inc., El Monte,  
Calif.); **Frank Moeller**, (Dura-  
Crete, Inc., Salt Lake City, Utah)

(Following preliminary presentation there will be an audi-  
ence participation period. Sessions will run concurrently  
and attendees will be given the option to attend two of  
four workshops. Proceedings will be recorded and pub-  
lished in the NPCA Newsletter)

12:30 p.m. **LUNCHEON** (Junior Ballroom)  
Speaker: **Maurice B. Mitchell**,  
Chancellor, University of Denver.  
Topic: "Prefabricating Progress"

2:00 p.m.-6:30 p.m. **Precast Concrete Industries Expo-  
sition**

5:00 p.m.-6:00 p.m. **Exposition Hospitality Hour**  
**COORS BREWERY PARTY**—Op-  
tional Attendance (Limited to 200  
—Bus transportation provided by  
NPCA)—Tour of Brewery—Dutch  
Lunch—Movie—Entertainment

## WEDNESDAY, FEBRUARY 19

Chairman of the Day: **Willard E. Thorn**  
Secretary-Treasurer

- 8:00 a.m.-6:00 p.m. Registration  
8:00 a.m. Breakfast (Junior Ballroom)  
9:00 a.m. **THIRD GENERAL SESSION**  
*Operations Workshops to be held  
in Gold, Century, Spruce and  
Denver Rooms*
- (a) "Forming Techniques/Quality Con-  
trol"  
Moderator: **Allen Chase** (Western  
Construction Products, Calgary)
  - (b) "Plant Operations"  
Moderator: **Jay Rasplicka** (Arch-  
itectural Concrete, Inc., Denver)
  - (c) "Production Planning/Cost Control"  
Moderator: **George Ziverts** (Port-  
land Cement Association, Chi-  
cago, Illinois)
  - (d) "Financial Management"  
Moderator: **Ed Thorson** (Portland  
Cement Association, Denver)

(Following preliminary presentations there will be an audi-  
ence participation period. Sessions will run concurrently  
and attendees will be given the option to attend two of  
four workshops. Proceedings will be recorded and pub-  
lished in the NPCA Newsletter)

12:15 p.m. **LUNCHEON** (Junior Ballroom)

1:30 p.m. **PLANT TOURS**

Itinerary to be announced

6:00 p.m.-7:00 p.m. **PRESIDENT'S RECEPTION**  
(Grand Ballroom)

7:00 p.m.-11:30 p.m. **PRESIDENT'S BANQUET AND  
BALL**

Introduction of New Officers and  
Directors

Robert A. Yoakum Award Presen-  
tation

Presentation of Grand Door Prize  
Dancing

## THURSDAY, FEBRUARY 20

8:00 a.m. Buses depart Denver for Post Con-  
vention Tour and Reconvened  
Meeting

10:00 a.m. Buses arrive High Country Inn,  
Winter Park

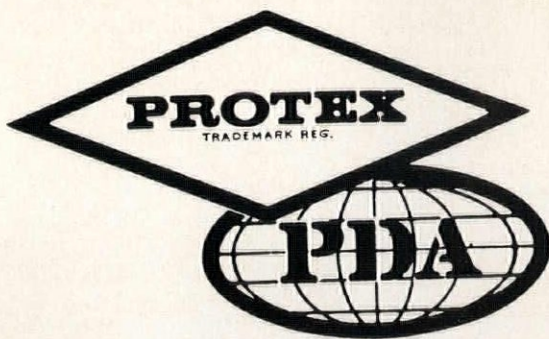
10:30 a.m.-Noon **Board of Directors/Membership  
Meeting**

3:00 p.m. Buses assigned to one-day tour de-  
part for Denver.

(The 3-day Winter Park Post-Convention Tour is now filled.  
These persons will have Thursday P.M., all day Friday and  
until noon on Saturday open. There will be a Noon Lunch-  
eon on Saturday with bus departures scheduled for 1:00  
p.m. There is still available space in the one-day Post-Con-  
vention Excursion to Winter Park. Information may be  
obtained at the Registration Desk in the Convention Lobby)

## The Ladies

In addition to the activities which they will share with their husbands . . . the "Early Bird" Reception, Exposition Hospitality Hours and the President's Reception and Banquet—there will be an "always open" Hospitality Suite in the Colorado Room and many additional activities. On Monday, a tour of the Pike's Peak Region with lunch at the fabulous Broadmoor Hotel in Colorado Springs will be available. A luncheon with a special speaker is scheduled for Tuesday noon in the Junior Ballroom, and on Wednesday, luncheon is planned at the "Top of the Rockies" atop Denver's Security Life Building.



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the  
last  
word:

William P. Lear, Sr., internationally known designer and inventor is slated for the principal speaker's post at the President's Luncheon during the Annual Convention of the Nevada Chapter of the AGC. The date of the Conference is February 1.

Wright-McLaughlin Engineers, Wright Water Engineers and McLaughlin Industrial Wastes Engineers are now headquartered in their own new building at 2059 Bryant Street in Denver. The Wright-McLaughlin Consulting complex has a new telephone number, natch—and not to be found in the current directory—it is 433-6201.

It's official! Mr. Joseph S. Fenton, who has been acting City Engineer in Salt Lake City since Alton H. Sorenson's resignation, has been officially named to that post.

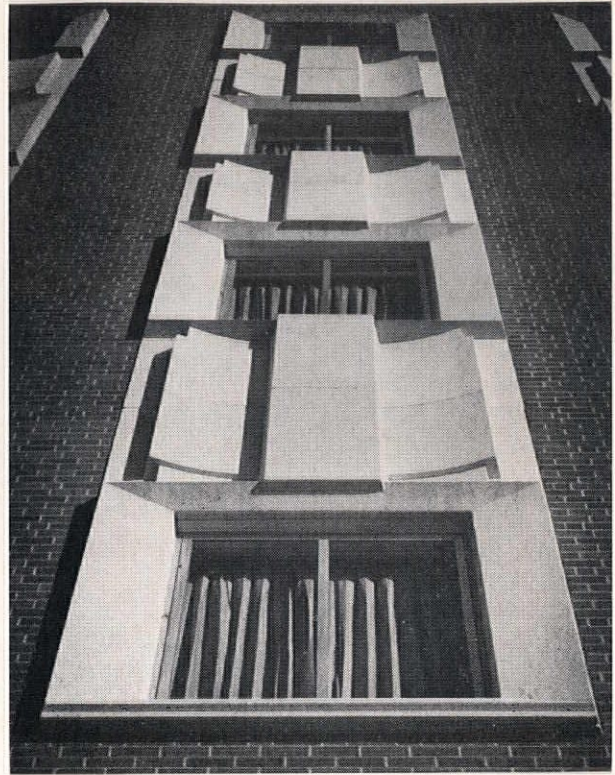
May we . . . "Point With Pride?" Yes, we'd like to spotlight Symposia's Photographic Editor, Mr. Rush McCoy. Rush served as the principal speaker at the January 21st meeting of the American Institute of Design held in Denver at Bauer's Cherry Creek. You will hardly need three to pin-point his topic—"Architectural Photography!" Mr. Robert Caudle is president of the Colorado District Chapter of the A.I.D.

Important dates! Regional Conference dates are now set for the American Institute of Architects in our Symposia Region. October 11-14: Northwest Region/18th Annual (Montana, Idaho) Salishan Lodge, Gleneden Beach, Oregon. Theme: Straw, Bricks and Wood. Meeting Co-Chairmen: Thomas A. Balzhiser-Darrell L. Smith. Expected attendance: 250-300. November 9-13: Western Mountain Region/18th Annual (Arizona, Nevada, Utah, Colorado, Wyoming, New Mexico). Hosted by Nevada State Association of Architects. Dunes Hotel, Las Vegas, Nevada. Meeting Chairman: Harris P. Sharp—Exhibits: George Tate. Expected attendance: 300-400. 55 booths available—average size: 8'x10'—cost: \$100. Contact Mr. Tate: 214 Maryland Parkway, Las Vegas.

The Governor's Commission on Arizona Beauty held another of their outstanding workshop meetings on January 14th at 10:00 a.m. at the Beef Eaters Restaurant in Phoenix. The Commission-sponsored Billboard Control Bill has been reviewed by the Executive Committee and presented to the Commission. They are off and running!

Ralph Grayson Schwarz, Ford Foundation Executive, has been named head of the new Urban Affairs Center being established by the American Institute of Architects. Located in the Institute's headquarters in Washington, D.C., the Center has been established to assist the architectural profession in meeting new urban demands and to guide society in dealing with environmental problems.

The Women in Construction in Region 8 (Colorado, Utah, New Mexico, Arizona and Texas) are already circling April 25/26/27 on their calendars. Reason: the Region 8 Forum being held this year in sunny Tucson. Jane Fields, Agnes Person and Company are vacuuming the red carpet and preparing a warm southwestern welcome for WICs from throughout the region. As always, Symposia will be the "official" complete with program, people, et al.



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William C. Muchow, FAIA, First Vice President of the Central Colorado Chapter, AIA, has been elected Illustrious Potentate of the El Jebel Temple, Denver, for the coming year. He is a member of the Colorado Consistory Highlands Masonic Lodge 86, El Jebel Meeters and Royal Order of Jesters.

We'll have a "new look" for Albuquerque CSI President Bob Schmidt soon. He says his present Symposia picture, candidly shot at the 1968 Region 10 Conference, is causing him some slight embarrassment. Mr. S. is always shown getting cozy with the P.A. mike—and he keeps getting the comment . . . "Schmidt, don't you ever close your mouth?"

The Consulting Engineers Council/US and the American Institute of Architects have set March 19-20 as the date for this year's Public Affairs Conference.

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A very familiar face turns up on the front page of Bob Fort's publication "Between the Sheets," published in Phoenix by the SMACNA (Sheet Metals and Air Conditioning Trades Industry Program if you need help with that serving of alphabet soup). The face belongs to popular Bernard P. McMenamy, Executive Manager of Denver's SMACNA, good CSI member and genial man-about-construction in Colorado.

"Big Jim" (R. James) Noone has joined the Denver architectural-engineering office of Henningson, Durham & Richardson, Inc. and Donald L. Patton, Architect. Jim is a long-time member of Symposia's Editorial Advisory Board, a contributing editor of CSI "Specifier", and is often well met in these pages. He is very active in CSI affairs having been President of the Denver Chapter, Vice Chairman of the National CSI Convention (May, 1968) in Denver and co-author of the local CSI Specifications Seminar series.

## symposia/about the cover

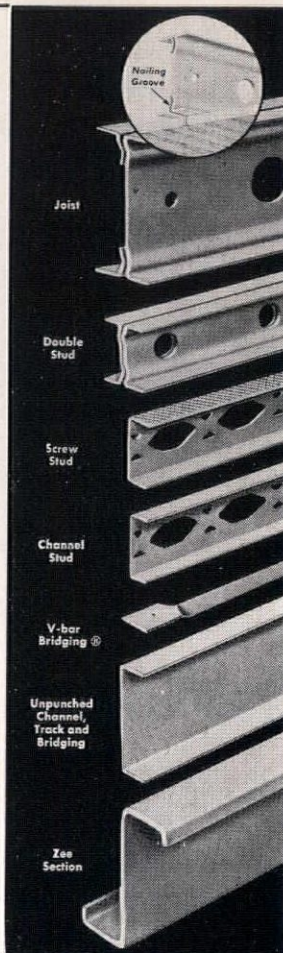
In selecting Symposia's February cover, we quite naturally turned to the 14 school buildings from our region being displayed in Atlantic City at the annual meeting of the American Association of School Administrators. No architectural criteria was set; we wanted a picture with dramatic impact. For "wow," we chose this striking night photograph of the Kemmerer, Wyoming, Junior High School. Designed by Denver architects, Wheeler and Lewis, we must also give photographic credit to the firm—specifically to principal Carol Lewis. Robert G. Naylor is Superintendent of the Kemmerer Schools, and the educational program called for strengthening the music, shop, library and arts and crafts at both high school and junior high level. The Junior High was therefore constructed on the existing, adequate high school site creating common facilities. It is a library centered school, with the two-level library space serving all educational levels and accessible to the general community. The upper deck, used as a privileged reading area, offers a splendid mountain view though the glazed "A" frame, and north light is obtained through the large roof dormers. Other joint use spaces are Arts and Crafts, Shop and Music Room. The new plan features core-learning science concepts and team-teaching lecture spaces. Flexibility of space has been accomplished through the use of three different sized classrooms, plus sound attenuated folding doors. The exterior was designed to be indigenous to its surroundings through the use of native stone and a roof contour reminiscent of the local mountains.

## Speed-Steel PENN METAL'S Structural Framing System

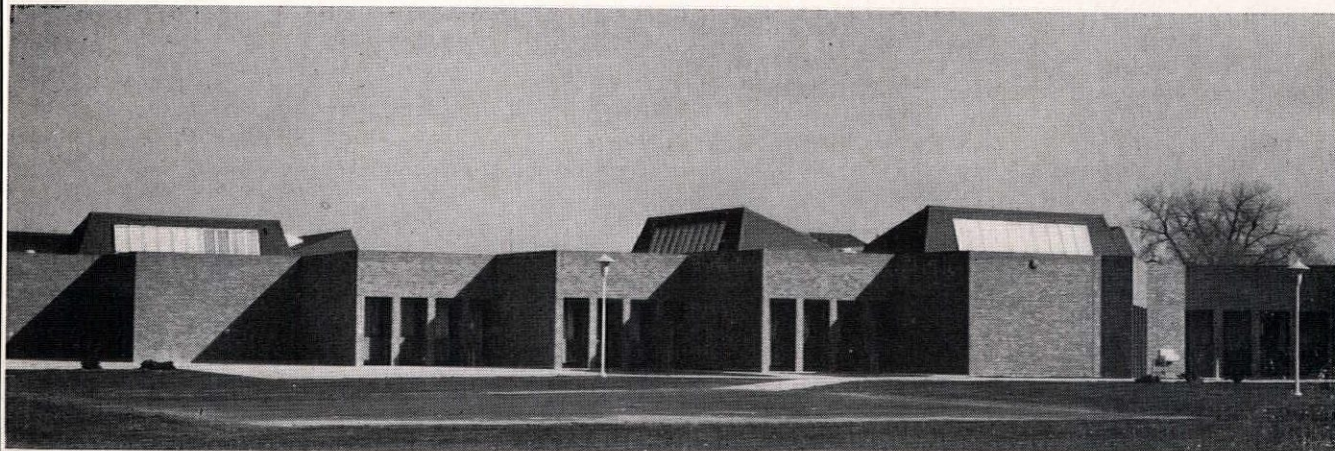
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## AWARD OF MERIT Honor Awards Program—Western Mountain Region AIA 1968 Prospect Valley Elementary School, Wheat Ridge, Colorado



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masonry contractor: Gage Behunin

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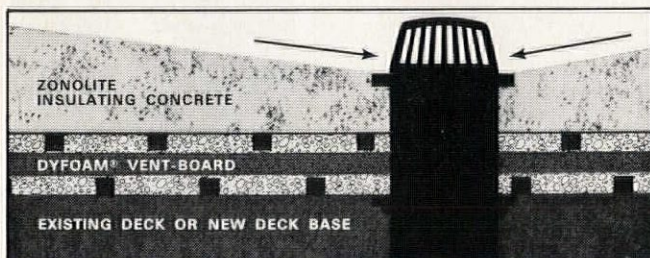
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## On the Campi

### Sculpture Competition

Dean DeVon Carlson (President, Colorado Central Chapter/AIA), of the School of Architecture at Colorado University at Boulder, has announced the first annual University Sculpture Competition. Preliminary designs must be submitted on or before February 17, and the winners will be announced on March 7.

Dean Carlson, in outlining the purpose of the competition, credited Charles Tribble, Physical Plant stone supervisor, for the initial idea. Mr. Tribble has also been instrumental in soliciting financial support for the program. Open to any full-time C.U. undergraduate or graduate student, the winner of the first-place design will be commissioned to complete his piece for location in the Williams Village residence halls complex. In addition to enhancing the campus environment, the competition will enrich and expand the educational experience of the designer, and those who will observe the sculpture.

The first place winner will receive \$400 — second place award is \$200 and third place will receive \$100. Professional advisor for the competition is Professor Lynn Wolfe of the University's Fine Arts Department and professional sculptor. The Awards Jury will include a sculptor, an architect and an art critic. Contributors who have made the First Annual Sculpture Competition possible are the Sarabond Division of the Dow Chemical Company, the Structural Clay Products Institute and the C.U. Development Foundation.

### Silt Pile No. 9

The College of Architecture at Arizona State University in Tempe is pleased to announce "Silt Pile No. 9." Since 1963, over 160 students from 90 Schools of Architecture have participated in the "Silt Pile" program in the studios of Paolo Soleri, located some 11 miles from the ASU campus. The five-week workshops are focused on scale models, sculpture, the construction of concrete shells on earth, rotating forms, and precast and bulldozed forms. The term of the workshops may begin Monday, February 3rd, or on any Monday thereafter through and including Monday, June 16th. It is expected most applicants will be University students presently enrolled for Spring quarter, and will therefore wish to enroll during the first regular summer session at A.S.U. June 16.

**Admission requirements:** Any student who has completed the equivalent of at least one year of Architectural Design, Engineering, or studio work in the Fine Arts will be admitted on the basis of a letter of recommendation from the head of his school. This and the student's own letter of application outlining his reasons for wishing to attend must be received by April 1, and indicate the date the student wishes to begin. This application must be accompanied by a \$10 deposit applicable to the registration fee and not refundable to those accepted. Letters should be addressed to James W. Elmore, FAIA, Dean of the College of Architecture, Arizona State University, Tempe, Arizona 85281.

**Credits—Fees:** Four semester hours credit are given by ASU . . . but schools from which individual enrollees expect to graduate will determine the amount of credit allowable toward professional degrees. Fee for the course is \$67.50, payable the first day of the five-week workshop . . . there is no fee for the elective (6th) week.

**Transportation — Accommodations:** Students should arrange for their own accommodations in nearby Scottsdale, and their own transportation with students having cars.

One motel in Scottsdale, "The Bunkhouse," 5111 North Scottsdale Road, offers kitchenettes in double rooms with evaporative cooling and swimming pool. After Easter, the price for two per room will be \$70 per month, per person.

*Program:* Students will sert themselves into the activities of Paolo Soleri's Cosanti Foundation. By mid-June the Arizona climate will make it mandatory that activity start at 5:30 a.m. with a break between 11:30 and 4:00 p.m. Once a week there will be a discussion session, if and when working at cement casting the schedule will have to conform to the demands of the work.

The University wishes to emphasize that the meaning of the course is based on hard work . . . and the "student spectator" is not welcome. Anyone envisioning a pleasant 5-6 week vacation will be sadly disappointed. The elective week is available to each student following the fifth week for which he is enrolled.

*Key dates:* For the session beginning June 16. Deadline for receipt of application—April 1. Notification of acceptance: April 15. Registration and payment of fees: June 16. For earlier sessions, applications should be completed as early as possible.



## Albuquerque C.S.I. Specifications School

With some important additions and corrections, the Second Annual C.S.I. Specifications School presented by the Albuquerque Chapter of the Construction Specifications Institute will be open for business on February 13th. The once-weekly sessions will be held this year in cooperation with the Department of Architecture at the University of New Mexico and will be held in the Department's facilities on the Campus. Beginning in February, the classes will meet each Thursday from 4:00-6:00 p.m., and with a one week break on April 3—they will run until May 29th. These classes will coincide with the University dates for the Spring Semester.

The enrollment fee for the entire course is only \$25.00 and this will include the text . . . "The CSI Uniform System." The Spec. School Committee from the Albuquerque Chapter includes R. D. Henderson, D. A. Campbell and G. L. Krauth. The instructors are well qualified and the entire course promises to be extremely worthwhile. The emphasis, of course, is on how to write a specification based upon the CSI Format—no attempt will be made to teach any of the technical specifics of the individual divisions. The enrollment is limited to forty persons . . . six of which are already reserved for students in the Department of Architecture at UNM—so with only 34 registrations available—get with the program, gentlemen, get your name and your money to Mr. Glen Krauth promptly. This must be done on a first come—first serve basis!

The future of the CSI Specification Course has been discussed with a number of University of New Mexico officials, and it is hoped that in the very near future, it can be developed as a full credit course at the University. The C.S.I. Specifications Course was developed by the Denver Chapter five years ago, and has since been adopted and adapted by many CSI Chapters throughout not just the region but the entire country. It represents an extremely valuable asset to all those who have participated in the past—and promises even more value to those who enroll in the future.



*Stapleton International Airport*



Architect: Paul Reddy

Contractor: Hensel-Phelps  
Construction Company

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Steel Spiral Stairway

Aluminum Handrails

Aluminum Mezzanine Rails

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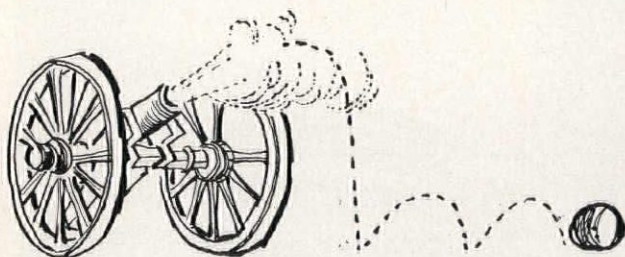


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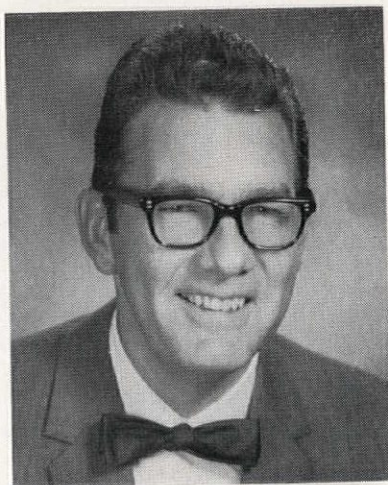
# a symposia salute



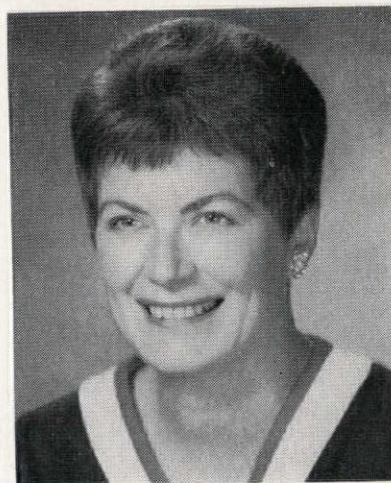
TO:

The Carpenters  
Salt Lake City, Utah

Ashley



Nancy



It seems our choice of February as the month to salute the team of Carpenter and Carpenter is indeed propitious. This month, Mr. and Mrs. "Glow of Happiness" are celebrating a happy anniversary with a second honeymoon in Jamaica—a climax to a year of honors, accolades and joy.

Mr. Richard Stringham, AIA, of Salt Lake City is responsible for nominating the Carpenters for Symposia's Salute . . . evidence of the project's merit, for who would know them better than Ashley's partner and Nancy's boss!

Nancy's "career in construction" is a success of some ten years' standing. A charter member of her local chapter of the Women in Construction, she did an outstanding job as their Program Chairman in 1967-'68. Her programs and tours served to acquaint WIC's with the Industry and Industry with the WIC's — such a happy meeting that her fellow members named her "WIC of the Year" at a special presentation banquet last September.

Ashley Carpenter is a principal in the

architectural firm of Carpenter and Stringham/Architects—an association going back over a dozen years of professional practice to college days at the University of Utah. Dick Stringham writes . . . "Ashley is a 'go-getter'" and has worked very hard for our firm as well as for the profession." His talents during the past ten years have enabled him to serve as President of the Utah Chapter/AIA in 1960; Western Mountain Region Representative on the Chapter Affairs Committee in Washington, D. C., in 1961; General Chairman of the WMR Conference/AIA—Sun Valley, Idaho in 1962; President of the Salt Lake City University Club in 1963; he served on the National AIA Committee on Building Construction in '66 and in 1967, he was appointed by the Governor to a four year term on the Utah State Board of Architect's Examining Committee.

Like wife Nancy, Ashley achieved an added "star in his crown" in 1968 when the Intermountain Chapter of Producers' Council presented him with their annual Award of Merit.

Launched six years ago, the PC Award acknowledges the winner's community service, his furtherance of the cooperative efforts of the American Institute of Architects and Producers' Council and his standard of integrity and architectural practice. Not content to rest on his laurels, in 1969, Ashley Carpenter is already at work . . . his is the job of Chairman of the Western Conference of State Architectural Registration Boards to be held February 19-22 in Salt Lake City.

The Carpenters share an enthusiasm for traveling, golf, swimming and dancing. Ashley is an avid reader and Nancy is a wonderful cook—something that is more of a hobby than chore. They have recently remodeled the upstairs portion of the building which houses the architectural firm into a lovely town-house apartment which they share with a two year old white Scottie.

Certainly, both barrels are being fired this February for the Carpenters—a terrific team—a gracious and talented twosome serving their industry and their community well.

## New Mexico C.A.P. Builds for the Future

1969 looks like a banner year for the Construction Industry Advancement Program in New Mexico. Work is going forward at top speed on the new training building which is located on a site just west of the AGC Building, 1615 University Boulevard, N. E. in Albuquerque. Completion is projected for late February on the facilities which will be a welcome addition to the CAP programs. Architect for the building is William W. Ellison and Associates and the contractor is Bradbury and Stamm Construction Company, a charter member of the New Mexico Building Branch of the Associated General Contractors.

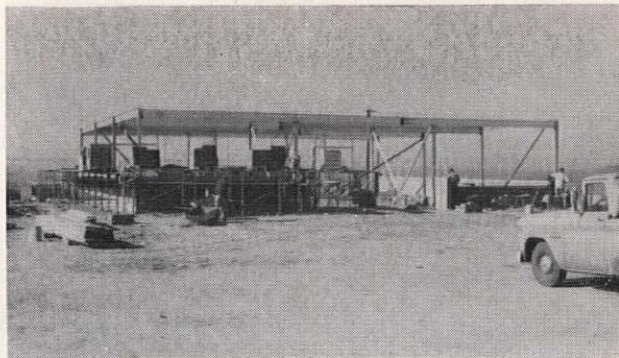
CAP is administered by the New Mexico Building Branch. It is supported by a two-cents per man-hour contribution by employers of the basic building craftsmen. The contributions go into a fund, which is administered by a Board of Trustees appointed by the New Mexico Building Branch.

The funds are used for training potential building craftsmen in the construction industry. When the course of instruction in a basic craft is completed, the graduates are placed as they are needed on jobs of contributors.

CAP recently completed a program in pre-apprenticeship training in the trade of plastering. Instructor was Dale Dellinger, a journeyman plasterer. Nine enrollees completed the six-week course of instruction and are in the process of being placed on jobs.

CAP has held several classes in conjunction with the Federal government Manpower Development and Training Act (MDTA). Enrollees came from the Hard-core unemployed and were referred to CAP by the Employment Security Commission. The Plasterers' class recently completed was held in conjunction with MDTA.

According to national figures released by the Department



*This on-the-site picture shows construction on the new building which will house the Construction Advancement Program's training courses in Albuquerque.*

of Labor, 80 per cent of trainees who completed a six-week MDTA course were placed on jobs. In New Mexico, CAP and MDTA have trained about 100 men in building crafts ranging from plasterers and cement masons to laborers.

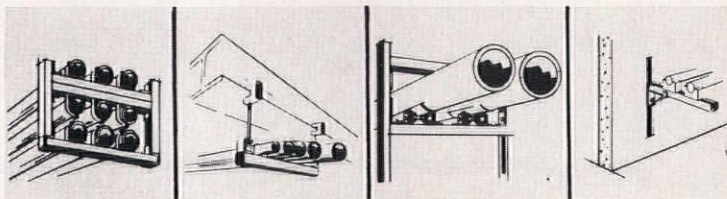
Director of the CAP training program is Neil Widner, who has a wealth of experience in the construction business both in the field and in the office. Neil earned a B.A. from New Mexico State University in government and business. He is certified to teach secondary schools in New Mexico. He also heads CAP's safety and education programs.

The Construction Advancement Program in New Mexico will indeed make significant contributions to solving manpower problems in the year ahead. It is making a giant first step with the completion of the new Training Building at the end of this month. Advancement, it would seem, comes with Action.

## METAL FRAMING - INDUSTRIAL - COMMERCIAL

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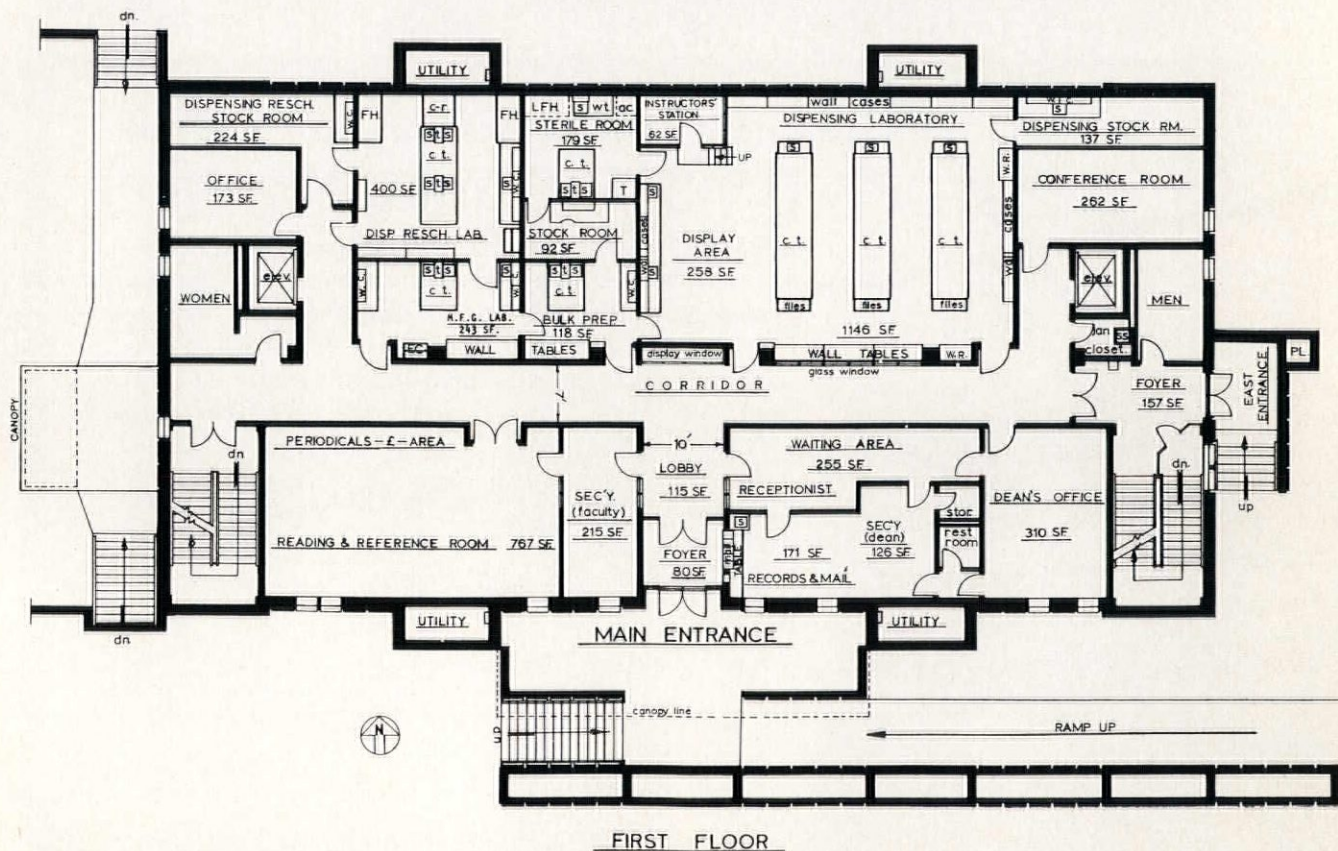
# The University of Wyoming Builds: School of Pharmacy— College of Health Sciences

**W**ith the Fall Semester/1969, Wyoming University will proudly open the doors of the College of Health Sciences new School of Pharmacy Building. Designed by Schropfer-Therkildsen, Associated Architects of Casper, Wyoming, the new facility will provide for one hundred and eighty students in the professional program with a minimum number of faculty and class sections. An additional one hundred and twenty students may be enrolled by augmenting faculty and class sections, but without further construction. Symposia would like to express appreciation for the material provided us on this interesting project by R. W. (Bill) Schropfer, AIA. Bill, in turn would like to express the architect's appreciation to the four key people at the University of Wyoming who were of inestimable value in the planning phases of the new structure. He writes . . . "There are two pharmacists at the University of Wyoming whose names do not appear in the brochure. They are much too modest. Credit should

go to Dr. Jack N. Bone, Dean of the School of Pharmacy and to his righthand man, Dr. Raymond J. Kahl. Without their fantastic knowledge, keen interest and outstanding ability to communicate to us their ideas for translation into drawings, this project would never have "gotten off the ground." The Department of Physical Plant, headed by Bob Arnold and Morris Jones also saw to it that we were able to use quality, maintenance-free materials for the project. Schropfer and Therkildsen would appreciate your acknowledging our debt to these four people in your article."

**S**ite of the new Pharmacy Building at the University of Wyoming at Laramie is on the western portion of the campus within easy walking distance to the new Physical Science building, the Biological Science building and the Classroom building.

Rectangular in shape, the facility is 130 feet long and 65





SCHOOL OF PHARMACY BUILDING

UNIVERSITY OF WYOMING

architects: Schropfer-Therkildsen Associated Architects, Casper, Wyoming

engineers:

mechanical and electrical: J. D. Griffith, Denver, Colorado

structural: Volk and Harrison, Casper, Wyoming

general contractor: Spiegelberg Lumber and Building Co., Laramie, Wyoming

cost of project: \$1,920,032

State of Wyoming participation: \$800,000

Federal Participation: \$1,120,032

Project No. 1-J02-P.M.-00303-01 United States

Department of Health, Education and Welfare

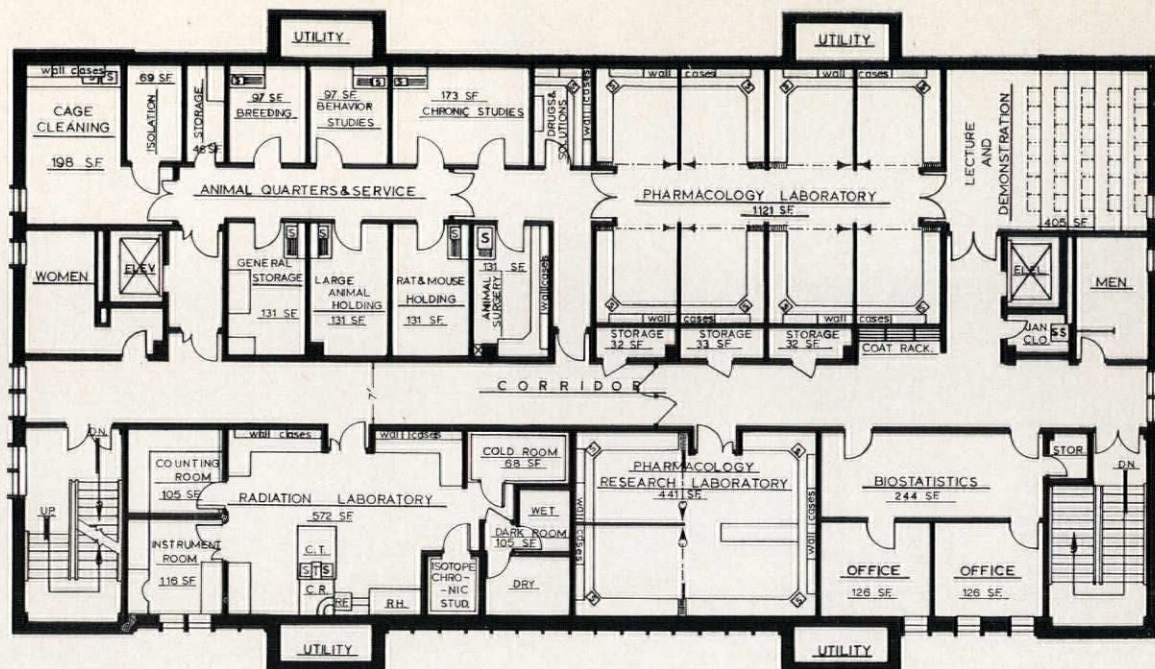
feet wide . . . basically concrete with reinforced steel. The exterior siding is provided by aggregate block faced with norman brick, native stone, precast mosaic concrete and vitreous porcelain bronze enamel steel. Solarbronze windows with casings and sills to match the color of the enameled panels are located in offices, library, at the ends of the corridors, seminar-study rooms, stairway landings, faculty lounge and rest rooms. Rest rooms and janitorial closets are located on each of five floors with an elevator and stairways at both eastern and western ends of the south-facing building.

Three entrances are provided to the new School of Pharmacy. The main access is in the center of the south side with double doors and steps with hand rails. The building site slopes down toward the west approximately seven feet . . . and a second entrance on this side leads into the ground floor providing access to the lounges, two large classrooms and audio-visual and television facilities. Through this doorway, it is possible to use this ground floor level for meetings, seminars, programs . . . etc. without opening the remaining four floors of the building. The third entrance on the eastern end of the building has, in addition to the ordinary steps, a ramp which permits easy access to the building for handicapped students.

**U**tilities include hot and cold water, compressed air, a vacuum system, 110 and 220 volt A.C. electrical system,

steam and natural gas. Air conditioning as well as auxiliary air hoods are all a part of the heating-cooling-air exchange system and distributed from the mechanical and equipment room to each floor by means of a pair of utility shafts on both north and south walls of the building. Steel ladders and a catwalk at each floor afford easy access to utilities.

Suspended ceilings in almost all areas of the building allow an 18" space between the concrete floor above and the ceiling. An 8" plumbing space in laboratory center tables and 7" plumbing space in wall tables . . . provide sufficient room for utility distribution throughout without exposure of pipes, ducts and conduits. Removable panels in the suspended ceiling system afford easy access to utility runs. Three transformers provide sufficient power (15 K.V.) for the building and are located in a specially designed vault. An emergency Onan type generator is provided to operate machinery necessary to maintain living organisms in those areas where and when needed . . . animal quarters, green house etc. Nash equipment is used for both vacuum and compressed air systems. The vacuum system will have two tanks, two pumps and two 5 H.P. electric motors and will have the capacity to produce a vacuum of 20mm. Hg. Liquids may be aspirated into the tanks, and the tanks emptied as required. Thus, both a vacuum system and an aspirating system are combined in this unit. Compressed air at 50 lbs./sq. in. will be produced.



Plan of the Fourth Floor

Heating, air conditioning and humidifiers provide complete air exchange in the building every eight minutes. In the animal quarters this exchange will take place every three and one-half minutes.

The Communications system includes telephone (one in every office and a public phone), an Altec type public address system, and two inter-telephone systems for instructional purposes. The television facility has both Radio Frequency and Video runs from the console on the ground floor to outlets in classrooms, seminar-study rooms and some laboratories. A color capability is also available and runs from each outlet, individually back to the console outlet. One camera jack is located at each end of the corridor on the four upper floors which affords the use of a mobile camera with tape recorder almost any place within the building either with or without the use of portable lighting. Live projection is also available and the use of this facility will be to expedite and supplement present teaching procedures.

**T**he University of Wyoming's new Pharmacy Building will contain 28,313 net square feet (approximately 63% ratio of net to gross square feet) upon completion this autumn. The use of this space is as follows:

**Ground Floor:** Student and faculty lounges, sound proofed mechanical and electrical equipment room and bulk storage room. This floor contains two large classrooms separated by a soundproof folding door. With the door open approximately 250 people can be accommodated. There is no fixed seating and both portable podium and lectern are available. The audio-visual room located at the east end of the double classroom may be used as a projection room and also contains facilities for TV production.

**First Floor:** Houses administrative complex, library, dispensing pharmacy laboratory and related areas. A conference room is provided for student, faculty and professional pharmacy personnel. A full size display window for pharmaceuticals and for pharmacy administration use is located directly across the corridor from the lobby.

**Second Floor:** Pharmaceutics, pharmacognosy and pharmacy administration disciplines are located on this floor. Each of the two student laboratories is designed to accommodate 24 students per section and 3 sections may

use the laboratories without sharing individual equipment. The two laboratories are separated by stock rooms and flanked by Seminar Study rooms. The four faculty offices are arranged so each discipline has two offices separated by their respective research laboratories.

**Third Floor:** Occupied by Medicinal Chemistry . . . the two laboratories and their seminar-study spaces are separated by stock room and a balance room . . . in and out doors in the balance room allow only one-way traffic. Four offices are located on this floor, a specialized instrument room and a teletype (or comparable facility) for transmitting data to the University Computer and subsequent receipt of the resulting information.

**Fourth Floor:** Contains radiation laboratory, pharmacology laboratory, animal quarters, research laboratory, lecture and demonstration area, biostatistics and two faculty offices. The radiation laboratory contains facilities for work with radioactive isotopes including a specially designed radiation hood with filter to prevent excessive release of radio-active materials. A laminated lead lined cold room and chronic studies room as well as counting room are included. Air locks are located at both ends of the animal quarters and circulating air is exhausted every 3½ minutes. The entire facility is under negative pressure to reduce odors penetrating into the building from this area. The complete surgery room is "screen caged" with the proper flooring so explosive gases may be used for anesthesia.

**Penthouse:** Located on the roof of the building, it contains green house, potting shed, cold frames with a duck walk access, larger animal cages and exercise area, incinerator and the distilled water still with storage tank.

**S**ince 1946 when the School of Pharmacy was organized as a unit of the University of Wyoming, there has been progressive growth. Today, as a part of the College of Health Sciences, the five-year degree program is accredited by the American Council on Pharmaceutical Education and plays an important role in Wyoming University's educational curriculum. The growth and development of the School of Pharmacy will be climaxed with the completion of their handsome building in August with the new and complete facilities available for the Fall Semester of 1969.

**a symposia series**

**Introducing: architecture/construction leaders**

## TAKE ME TO YOUR LEADER

### NEVADA



**Robert A. Fielden, President**  
Nevada Association  
American Institute of Architects

Bob Fielden of Las Vegas trades one president's gavel for another in this new year of 1969. After a particularly successful tenure as leader of the Las Vegas Chapter, he took over the reins of the Nevada Association in January. Vitally interested in civic planning problems, Mr. Fielden was the motivating force behind utilization of the AIA Checklist for Cities, and has worked energetically with a local action group in his home town in the area of establishing a series of urban reforms.

Born in Amarillo, Texas, Bob attended West Texas State University, going on to graduate from Texas Tech in 1962 with his degree of Bachelor of Architecture. He did his bit for Uncle Sam as a member of the United States Marine Corps, and moved to Las Vegas in 1964. Retained by Jack Miller and Associates, Architects and Engineers, at that time, he is presently working as Associate Architect with the Miller firm. An Office of Civil Defense Analyst, Mr. F. holds a Certificate of Registration with the National Council of Architectural Registration Boards.

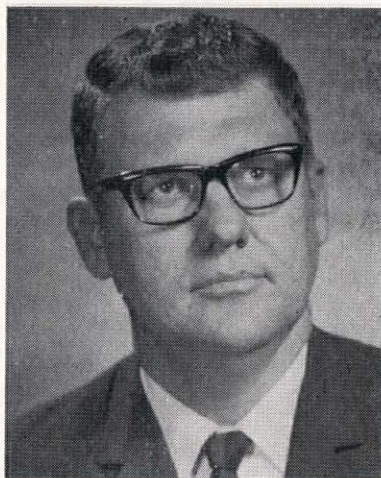
In addition to his city planning activities, he is interested in the Founder's Committee of the Center for the Performing Arts at Nevada Southern University. His wife, Jane, is also a graduate of Texas Tech—her major: Interior Design. They are the parents of two children.

Between meetings, conferences and architecture, his spare time interests include both painting and sculpture, but first and foremost . . . his family.

1969 Presidents for the two AIA Nevada Chapters are David Welles taking over in Las Vegas, and Edward S. Parsons, who is the new leader in Reno.

WMA architects are all looking forward to getting better acquainted with Fielden, Welles, Parsons and Company come next November when they meet in Las Vegas for the 18th Annual Gathering of the Clans.

### NEW MEXICO



**Beryl Durham, President**  
New Mexico Society  
American Institute of Architects

Taking over the helm of the New Mexico Society this year of 1969 is Mr. Beryl Durham, who practices architecture as a principal in the firm of Kern Smith, Durham and Associates in Carlsbad, New Mexico.

Mr. D. has a very distinguished record with the A.I.A. in New Mexico, beginning in 1965 when he became a charter member and the first president of the New Mexico Southern Chapter. He has served as a Director of the Society since 1966, Secretary-Treasurer in 1967 and Vice President in 1968.

He is a graduate of Texas Technological College in Lubbock with a Bachelor of Architecture (Design Option) degree. He obtained his architectural license in 1963, and became an associate with his present firm in 1964.

A very active member of his Carlsbad community, he is a Rotarian, serving as Chairman of the Youth Committee. He is Vice-Chairman of the Carlsbad Zoning and Planning Commission and of the Committee to investigate Urban Renewal for that city. He is also a member of the Student Exchange Commission and Chairman of the Interact Club.

Mr. Durham is married—wife's name, Olivia. They are the parents of two daughters—Cindy, who is 12 and Diane, 9. In setting goals for the New Mexico Society in 1969, Mr. Durham hopes to encourage members to take an active interest in the aesthetic and planning problems of their communities.

We can be sure that AIA's New Mexico Society will have clear sailing with Mr. D's steady hand on the tiller.

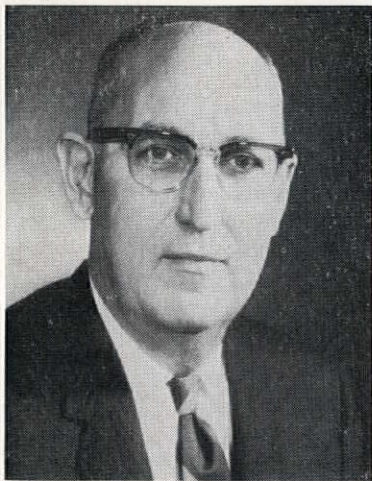
# Montana Architect/Engineer Mid-Winter Meeting

february 6, 7, 8 - 1969

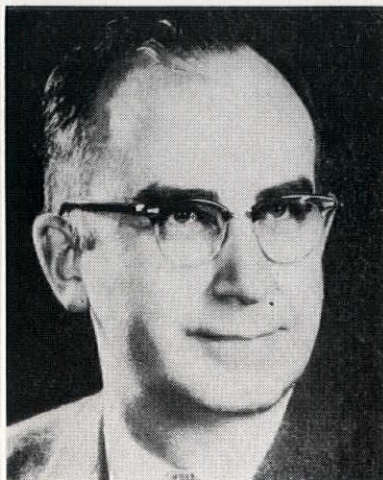
billings, montana

“The Professional Image in Tomorrow’s Society”

Professionalism      Legislation      Public Relations



John G. Reutter, CEC  
Camden, New Jersey  
President of the Consulting  
Engineers Council/U.S.A.



Leo W. Ruth, Jr., P.E.  
San Jose, California  
Vice President for the  
Western Region/National  
Society of Professional Engineers

*(all events at the northern hotel)*

*thursday, february 6*

Registration throughout the afternoon and evening  
Materials displays to be erected in Rimrock and Carter Rooms  
Professional displays to be erected in Carter Room

<i>the time</i>	<i>the event</i>	<i>the place</i>
<b>Society Board Meetings</b>		
1:00 p.m.	Consulting Engineers Council N.S.P.E. and M.S.E.	Towne Room Midland Room
2:00 p.m.	American Institute of Architects M.A.R.L.S.	Manor Room Wedgewood Room
4:00 p.m.	American Society Consulting Engineers	Empire Room
5:30 p.m.	Board of Architectural Examiners	Midland Room

*friday, february 7*

7:45 a.m.	Breakfast Master of Ceremonies: Ed Nurse, President/Montana ASCE Official Welcome: Mayor Willard E. Fraser of Billings, Montana Keynote: Leo Ruth, Vice President, National Society Professional Engineers Theme: <b>Professionalism</b>	Carter Room
8:45 a.m.	Adjournment	
9:00 a.m.	SEMINAR: PROFESSIONALISM Moderator Ed Nurse, ASCE Panelists: Leo Ruth, Vice President/NSPE John Reutter, President/CEC William Wisely, Executive Secretary/ASCE W. J. Jameson, Federal Judge Prof. H. C. Rose, Dean of Professional Schools, Montana State University	Rimrock Room
12:00 Noon	Adjournment	

Every other year for the past decade, the architecture/engineering/construction community gathers in Montana to discuss mutual problems and to study legislation related to the industry. These Mid-Winter meetings held in "legislative years" have grown in scope and in importance, bringing together national leaders in the Industry, providing an opportunity for the meaningful exchange of ideas and information. Symposia wishes to express appreciation to the 1969 Chairman of the Montana Meeting, Mr. Terry Nobles, AIA, of the architectural firm of Leonard R. Sundell and Associates, Billings, Montana, and Sheridan, Wyoming. It is through Mr. Nobles' kind offices that we are able to bring our readers the complete program of that "really big" Montana Meeting.

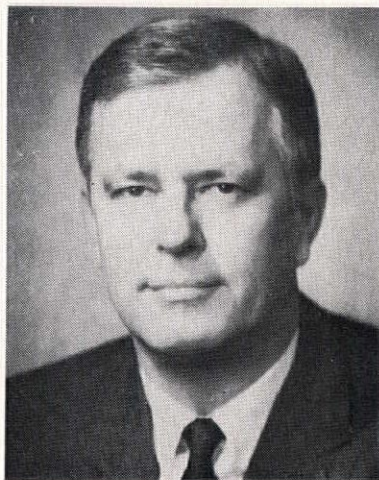
*the time                      the event                      the place*

- 12:15 p.m. Luncheon Carter Room  
 Master of Ceremonies: Marty Crennen, President, Montana AIA  
 Official Welcome: Hon. Thomas Judge,  
 Lieutenant-Governor of Montana  
 Entertainment  
 Keynote: George White, Collier Institute,  
 Architect/Engineer/Attorney  
 Theme: **Public Relations**
- 1:45 p.m. Adjournment
- 2:00 p.m. SEMINAR: PUBLIC RELATIONS Rimrock Room  
 Moderator: Marty Crennen  
 Panelists: George White/Collier Institute  
 Ken Trombley, Public Relations/NSPE  
 George Kassabaum FAIA, President/AIA  
 William Wisely, Executive Secretary/ASCE  
 Tom Judge, Executive Secretary/Montana AIA
- 5:00 p.m. Adjournment
- 6:30 p.m. Cocktail Hour Rimrock Room  
 Sponsored by Material Suppliers
- 7:30 p.m. Banquet Carter Room  
 Bierstube Dinner with Billings Kiwanis German Band  
 Master of Ceremonies: Lee Walker, CEC  
 Northern Testing Laboratories  
 Speaker: George Kassabaum FAIA, President  
 American Institute of Architects

**EVENING FREE**

*saturday, february 8*

- 8:00 a.m. Informal Continental Breakfast Carter Room  
*Society meetings from 9:00 a.m. to Noon*
- 9:00 a.m. American Institute of Architects Assembly Room  
 M.A.R.L.S. Manor Room
- 10:00 a.m. American Society Consulting Engineers Wedgewood Room
- 12:15 p.m. Luncheon Carter Room  
 Master of Ceremonies: William Wenzel,  
 President, Consulting Engineers Council/Montana  
 Entertainment  
 Keynote: John Reutter, President,  
 Consulting Engineers Council/USA  
 Theme: **Legislation**
- 1:45 p.m. Adjournment
- 2:00 p.m. SEMINAR: LEGISLATION  
 Moderator: William Wenzel  
 Panelists: John Reutter, President/CEC  
 Ken Trombley, Public Relations/NSPE  
 George White/Collier Institute  
 Leo W. Ruth Jr., Vice President/NSPE  
 James Lucas, House Majority Leader/Montana
- 5:00 p.m. Adjournment
- 6:30 p.m. Cocktail Hour Rimrock Room  
 Sponsored by Material Suppliers
- 7:30 p.m. Banquet Carter Room  
 Master of Ceremonies: Fred Liquin, Associated Engineers  
 Speaker: Sidney Harris/Columnist  
 Publishers-Hall Syndicate, Chicago
- 9:00-12:00 Dancing to the Music of The Tiajuana Trash



George E. Kassabaum, FAIA  
 St. Louis, Missouri  
 President of the American  
 Institute of Architects



William H. Wisely, ASCE  
 Scarsdale, New York  
 Executive Secretary for the  
 American Society of Civil Engineers

## ★ theft fencing

## protection of adjacent property



Watchmen



### THE CAST

Art Harbath, Loss Control Engineer, Kemper Insurance Company

Max Morton, Partner, N. G. Petry Construction Company

Steve Dach, Owner, Dach Masonry Company

Blaine Rutenbeck, Attorney

Moderator: James Sudler, A.I.A. (called away suddenly)

Stand-In: Olaf Nielsen, A.I.A./President, Denver Chapter C.S.I.

### SAFETY DEFINED:

Art Harbath: A management responsibility.

Max Morton: A losing battle against negligence and lack of respect for safety.

Steve Dach: Defined steps to be taken by Architect and General Contractor to reduce vandalism and theft (provide fencing).

Blaine Rutenbeck: Cited cases which make professionals (architects, engineers, and anyone else not protected by Workmen's Compensation), as third party scapegoats.

Ole Nielsen: Cited many safety violations at construction sites. (This segment known as the "Laugh-In")

Each panel member presented his viewpoint of the existing problems—unearthing some hornets the audience didn't know were in the nest.

Art Harbath defined eight points of safety: (1) Management Responsibility; (2) Program Responsibility; (3) Minimum Requirements: a) Good Housekeeping, b) Public Responsibility, c) Fire Protection, d) First Aid; (4) Field Responsibility—All phases of Supervision; (5) Foreman's Responsibility; (6) Instruction and Training; (7) Inspection; (8) Keeping Good Records (Property and Personnel Injury). In addition, Art emphasized indirect costs: the average accident cost is \$750.00, \$150.00 covered by insurance and \$600.00 damaged property and equipment borne by the contractor.

Max Morton pointed out the frustrating responsibility of educating and selling safety to employees and sub-contractors. He told of several accidents caused by pure negligence which are constantly plaguing the general contractor. Even a few sub-contractors refuse to abide by one of the basic rules of safety—wearing hard hats.

(The various and sundry industry ills which head this article were the subject of a recent meeting of the Denver Chapter of the Construction Specifications Institute. Pen in hand, our "Tony" on the spot was Myles A. (Tony) Murray, sometimes known as "Reprint" Murray. He has written a fine report of the panel discussion . . . herewith:)

Injuries

## VANDALISM!



Max cited an example in which a reputable sub-contractor recently walked off the job rather than wear a hard hat. The most difficult job of the general contractor is to get every man on the job to "Think Safety."

Steve Dach presented the sub-contractors' continuing problem with theft, vandalism, job security and fencing. Theft and vandalism have increased at an extremely rapid rate, and have reached the point that anything on the jobsite is fair game. Steve proposed these problems could be reduced considerably if the architect would spell out in his specifications a requirement for fencing to be provided by the general contractor, or that security guards be hired by the general contractor during the construction phase. The cost of either of these to be partially offset, if not completely covered by reduced insurance costs. (Max Morton countered this proposal by noting that most owners will, and have refused to pay this expense, stating it is the problem of the sub-contractor, and not his.)

Blaine Rutenbeck started his presentation by emphasizing the omnipresent problem of finding honest watchmen. Blaine then went on to discuss the question of "liability." The case credited with opening the Architects' and Engineers' "Pandora's Box" was Miller vs. DeWitt in the State of Illinois. This case, having gone through the Illinois Supreme Court, permits the injured party to waive his claims to Workman's Compensation and sue a third party. This has become a popular indoor sport — the means of obtaining financial remuneration for injuries received on the job because Workman's Compensation has not increased at the same rapid rate as wages.

Olaf Nielsen, in defense of the professionals, pointed out some of the inadequacies of the existing system. Using standard procedures, there is no time of day a job could not be shut down due to violations of accepted safety procedures. Enforcement of all reasonable safety procedures is beyond the scope of the professional's training, and could only be enforced with a full-time representative—and again, there is no owner who will pay

the increased fee. Stopping the job for each safety violation would push construction costs far above reason.

Panel presentations complete, questions and proposals were in order from the floor. Since the majority of the questions seemed to be directed to Attorney Blaine Rutenbeck, this might be construed as the pursuit of free legal advice—Mr. R., however, fielded them like the pro he is and bypassed Blackstone beautifully. The suggestion that a single insurance company provide total coverage for all principals from design through completion was examined, but found unfeasible because of variable insurance rates for different contractors. The intent of this particular C.S.I. meeting was not to propose solutions, and indeed, few were forthcoming. One ray of hope regarding liability seems to be in sight. The American Institute of Architects in a pre-national convention meeting last June, approved a fund supporting Robert G. Cerny, FAIA, of Minneapolis. Mr. Cerny hopes to establish a Construction Industry Foundation in an effort to correct the many inequities in the liability field. There is also a bill pending in the Congress requiring a federal inspector on the jobsite of all jobs. Nothing was said about who would pay this man (do you really need three guesses?) or as to the extent of his authority.

Liability defined is certainly a thorn under the toenail of the Construction Industry and/or Chinese Water Torture. Improvement does not seem imminent since presently there is an insufficient number of lawyers, judges and legislators competent in the field of construction. There is no line, fine or otherwise, adequately defining the areas of responsibility for each principal involved in the design and construction of any given project. They will be drawn, it would appear, one by one, by courts and by legislative bodies at State and Federal levels, and with—or without—the Industry's help.

The lone hope lies in supporting Mr. Robert Cerny and his Construction Industry Foundation. Without it—the Industry may well be faced with catastrophe.

# 1969 Exhibition of School Architecture

## AMERICAN ASSOCIATION OF SCHOOL ADMINISTRATORS ANNUAL CONFERENCE FEBRUARY 15-19

In September, 1967, F. Lamar Kelsey, F.A.I.A., asked on *Symposia's* pages—"Whatever Happened to the Little Red Schoolhouse?" Our graphic answer to "Wha' Hoppen" appears in this article which covers the exhibit of School Architecture at the Annual Conference of the American Association of School Administrators being held February 15-19 in Atlantic City. Fourteen architectural firms in our Region are represented, and both the variety and quality of their architectural answers to the educational criteria are remarkably high. By and large, these are "country schools"—no major metropolitan area is represented. There are several small town schools, and about the closest we come to "the city" is the suburbs.

People who attend the AASA Conference look forward to this exhibition of school buildings; it has become an important feature of this annual meeting. Jointly sponsored

by the AASA and the American Institute of Architects, the Jury is appointed by AASA and includes four AIA members experienced in school building design and four educators. Their prime consideration is to the architectural solution to the educational program requirements. Specifically, they consider adequacy for the educational program; aesthetics; grouping of instructional areas; accessibility of facilities; flexibility and expansibility; community use; environmental controls: light, air, sound; safety; adaptation to the site; site development and presentation of materials.

We wish to express our sincere appreciation to the American Association of School Administrators, and to the architects represented for their very fine cooperation which has made this portfolio possible . . . our answer to "Whatever Happened to the Little Red Schoolhouse?"

**NIXON, BROWN, BROKAW AND BOWEN**  
BOULDER, COLORADO

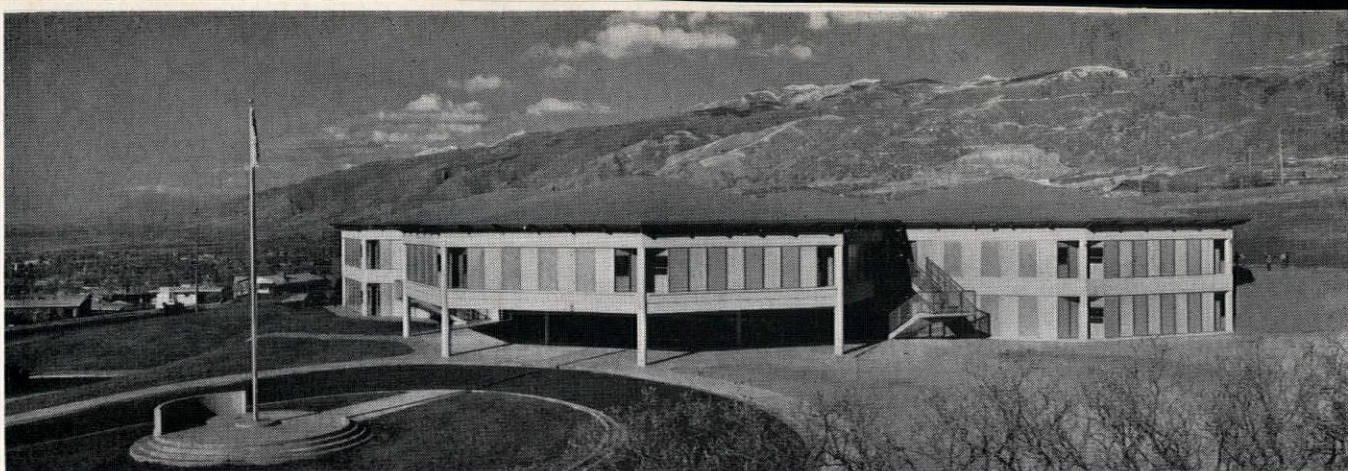
**ROBERT F. METZLER, SUPERINTENDENT**

**CLEAR CREEK SECONDARY SCHOOL**  
IDAHO SPRINGS, COLORADO

The Clear Creek Secondary School has been selected as one of the creative design solutions by the AASA and AIA Jury and as such will be featured in the 1969 filmstrip issued by these professional groups.

Designed to house six hundred students—grades 7-12—the Clear Creek Secondary School accommodates three basic modes of instruction (a) large group, (b) small group and (c) independent study. All modes of instruction are supported by an immediate recall system (Dial Access) containing all audio and visual resources which are available to all instructional and independent study areas. Once a boom mining town, Idaho Springs today is located at the entry to Ski Country, USA, (as the Chamber of Commerce puts it). The architectural team has created a stimulating educational environment by using the natural rugged mountain setting to visually marry the structure to nature.



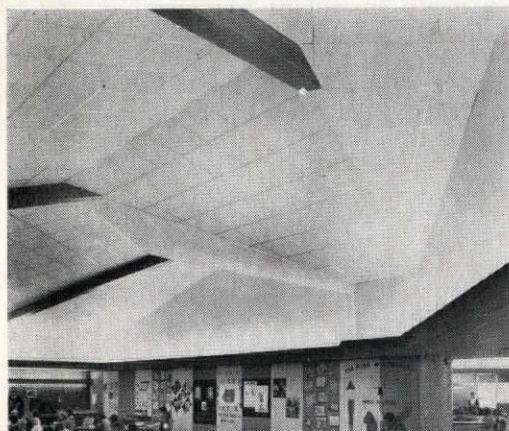


**HAROLD K. BEECHER & ASSOCIATES**  
SALT LAKE CITY, UTAH  
PHOTOGRAPHY: GORDON PERRY

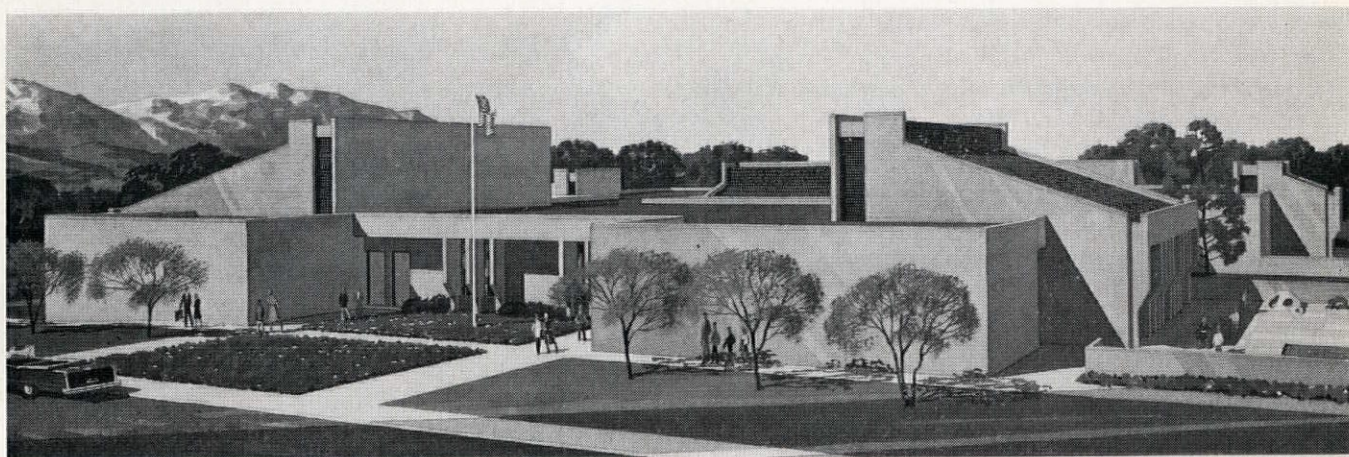
**LEO J. MUIR ELEMENTARY SCHOOL**  
BOUNTIFUL, UTAH  
SUPERINTENDENT: BERNELL WRIGHT

The criteria for the Muir Elementary School required flexible facilities adaptable to an innovative educational program with Kindergarten and 1st Grade separated from the Upper Classes. A strong influence in the design was the sloping hillside site and surrounding residential community. The two level building nestles into the natural contours creating a 10,000 square foot covered play area for the younger children. The column free Group Learning Centers evolved by fitting 4 octagons together forming an interior court which furnishes the building core with natural controlled daylight and foliage creating an open airy feeling. Triangular spaces on either side of the court are devoted to the Instructional Material Center and Computer Education Area. Flexibility is achieved through the use of 5' modular rolling cases. Corridor space is kept to a minimum by utilizing usual traffic lanes for multiple purposes. 885 square feet of usable floor space was gained through the use of 1½" thick porcelainized steel-faced exterior curtainwall panels which may be adapted to changing requirements by inserting panels containing doors and windows.

The raised ceiling surfaces create a sufficient distance from the indirect cove light sources to uniformly diffuse low bright light over the reflecting surfaces. Visibility and eye comfort are increased and electrical costs decreased because less than the usual wattage is required. Muir's five Group Learning Centers each accommodate 90 children in grades 2-6, and the separate instructional spaces and play areas provide for 200 kindergarten and first grade children.



*Ceiling detail in open classroom area*



**ANDERSON, BARKER AND RINKER**  
DENVER, COLORADO  
DELINEATION: J. P. BRITTON

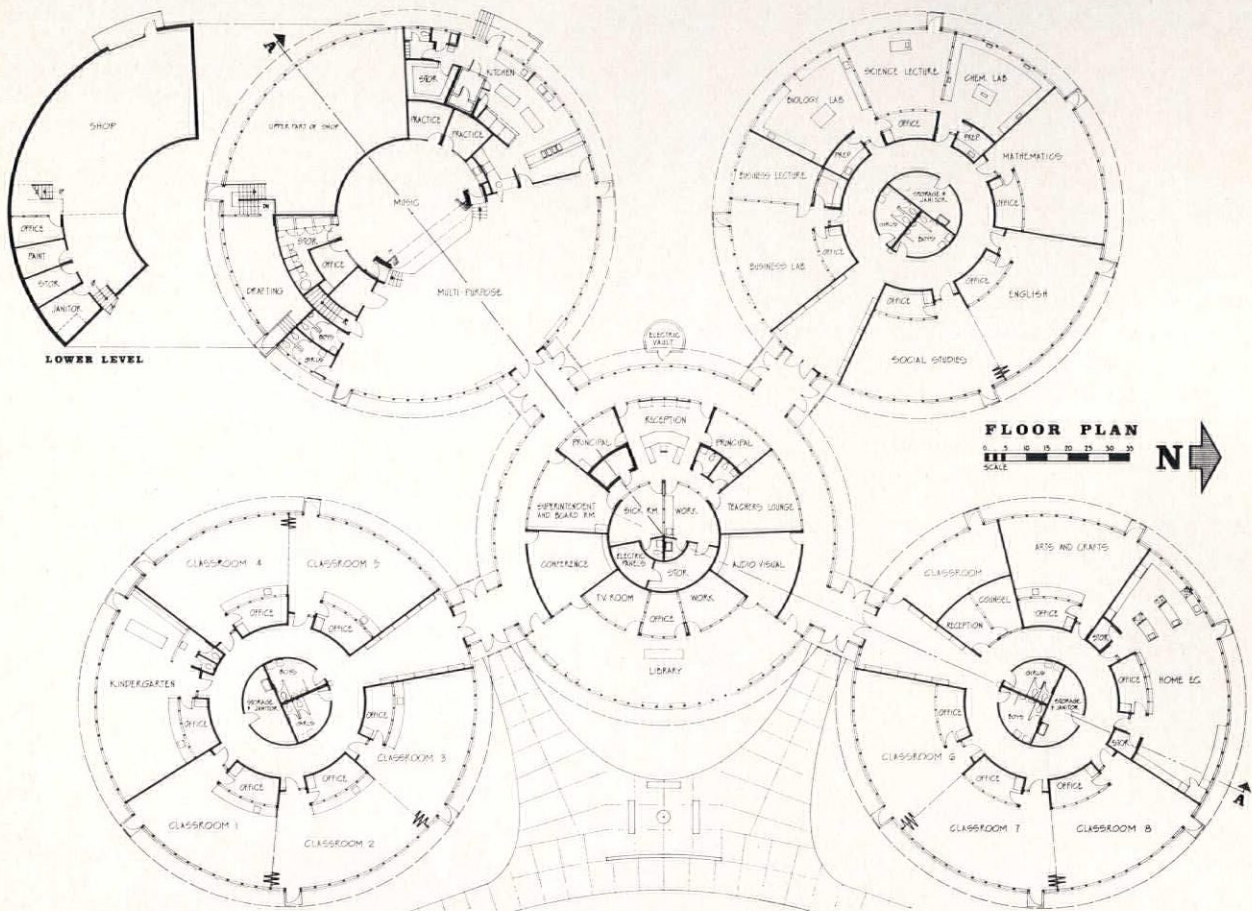
**VANDERHOOF ELEMENTARY SCHOOL**  
ARVADA, COLORADO  
SUPERINTENDENT: W. DEL WALKER

Like many other new schools in this innovative school system, Vanderhoof has an open flexible plan. The academic space has a minimum number of obstructions with division accomplished by mobile cabinets and a limited amount of demountable partitioning. Three divisible seminar spaces are provided for activities requiring more isolation than that obtained in the open academic area. Ceiling heights are varied to provide scale and contrast, and the total floor area is carpeted. Noisier activities (gym, cafeteria) are isolated to minimize interference. The kindergarten

spaces are located adjacent to the cafeteria for shared use, and the open court opposite the entry provides an area for protected planting and as a source of exterior light penetration. In the administrative area, public and student traffic is separated and ample display spaces relate to the lobby and public waiting area. Vanderhoof Elementary School is designed for 540 students in grades 1-6, and the two kindergarten spaces accommodate 27 students each during each half day period resulting in a total student enrollment of 648 students.

**BOURN AND DULANEY**  
**ENGLEWOOD, COLORADO**  
**PHOTOGRAPHY: LARRY BOURN**

**BIG SANDY SCHOOL**  
**SIMLA, COLORADO**  
**SUPERINTENDENT: RICHARD M. ULLOM**



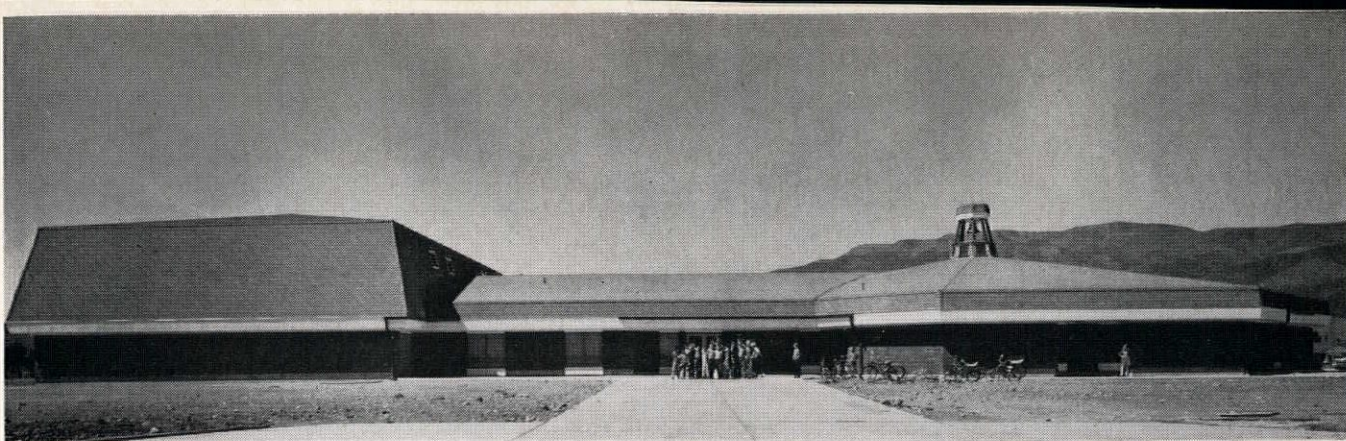
The Big Sandy School houses all grades K-12, with complete separation of the elementary and secondary units and yet convenient to certain central shared facilities (i.e.: Administration, Library-Materials Center, etc.). The educational specifications are based on modular scheduling requiring flexible teaching spaces, multiple and individual student spaces and individual staff offices. Existing auditorium and gymnasium are presently located at the north end of the rather

narrow site, and will be removed when new facilities can be constructed.

Since school administrators wished to maintain a single level, the architect's imaginative answer was found in a cluster of round buildings. Three of the circular structures accommodate flexible classroom spaces, with specialized areas devoted to home economics, arts and crafts, business and laboratory sciences. A fourth building contains a large multi-purpose

room with elevated stage for the music program, an adjoining kitchen and drafting room. The lower level in this building is a shop for manual arts. All four circles cluster about the administrative core which also includes library, television and audio-visual spaces. The Big Sandy School Complex is designed for six hundred students, but the site and the building accommodate classroom expansion to the south as the enrollment increases in the future.





**RICHARDSON AND RICHARDSON**  
SALT LAKE CITY, UTAH

**CIRCLEVILLE ELEMENTARY SCHOOL**  
CIRCLEVILLE, UTAH

**SUPERINTENDENT: DONALD D. WHITTAKER**

The basic design problem at the Circleville Elementary School was the general low ceiling height required for learning spaces coupled with the 21-foot ceiling height required by the owner for the Multi-Purpose Area. The architectural solution concealed this ceiling height with the roof treatment which maintains a low eave line around the perimeter of the entire building. The large undivided learning area is a hexagon with academic spaces for each of the seven age groups. These surround the Media Source and Learning Center. The connecting area leading to the Multi-Purpose Room houses administration, kitchen,

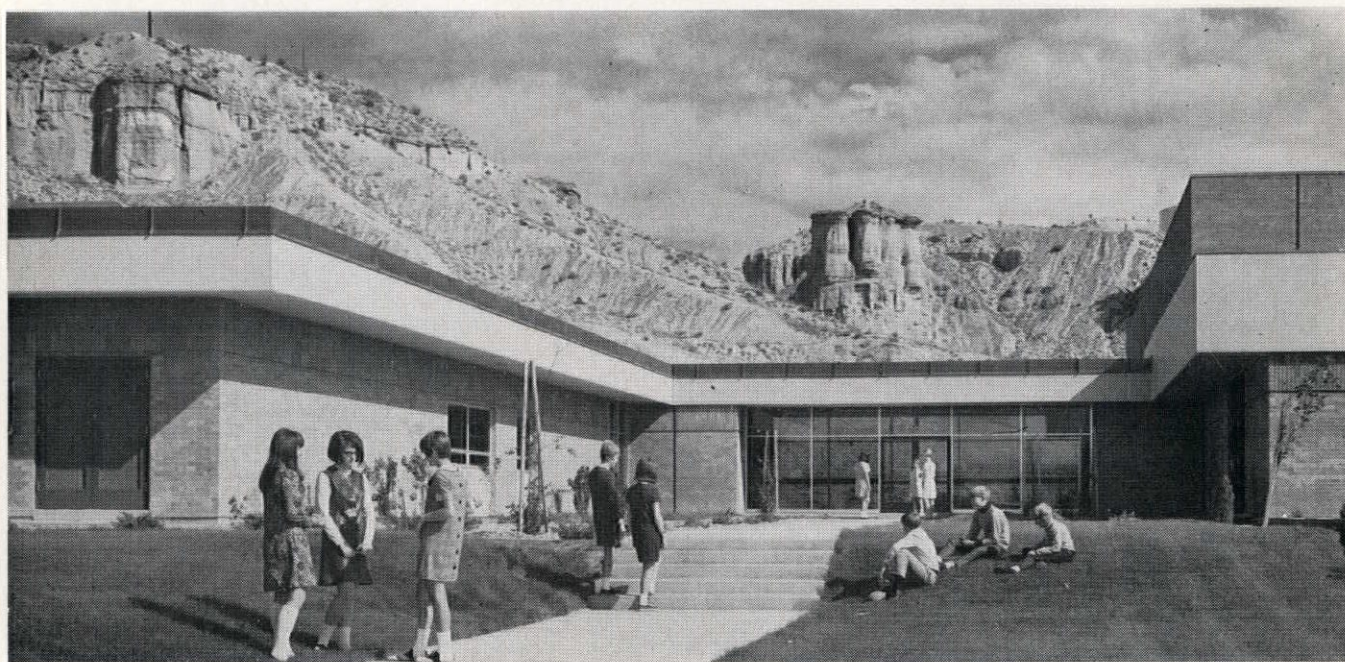
work-room, storage, custodial and toilet facilities. Entrance to the school is placed between administrative and learning area, with exits to the playground at the periphery of the learning hexagon. Hardwood floors were used in the multi-purpose room and the academic areas are carpeted.

The heating system is unique—being totally electric, a decision made following a study of fuel costs in the area. Initially occupied by 128 students, K-6, the Circleville School has been designed for approximately 200 students; about half of the enrollment is located within walking distance.

**EDWARDS AND DANIELS & ASSOCIATES**  
SALT LAKE CITY, UTAH

**MONT HARMON JUNIOR HIGH SCHOOL**  
PRICE, UTAH

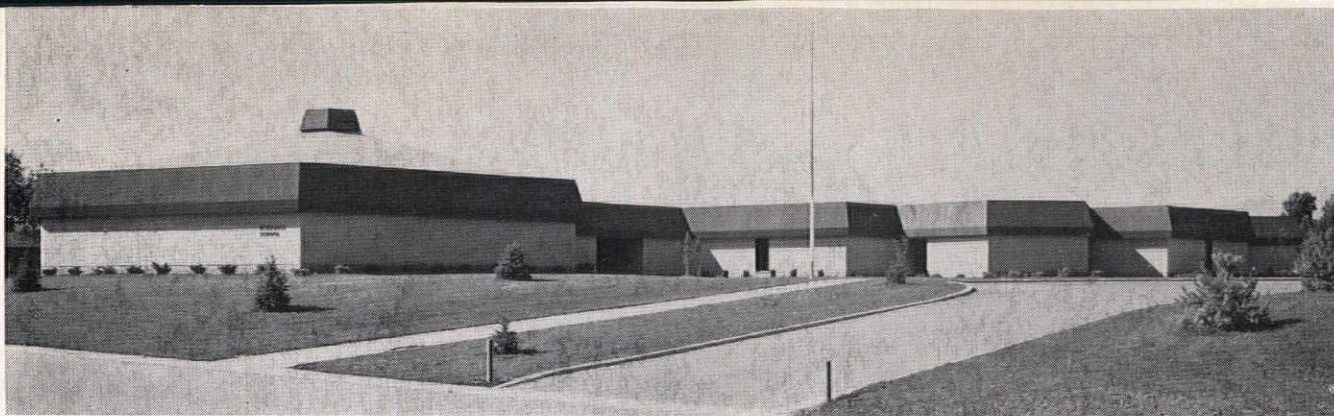
**SUPERINTENDENT: J. GRANT KILFOYLE**



Many challenges were involved in the planning of Mont Harmon Junior High. One thousand students were to be accommodated in a program requiring provisions for imaginative team teaching programs and incorporating conventional teaching methods. The concept derived solved the challenge of educational progress with economy.

The new school was constructed on an existing site where an area for a new building was almost non-existent because of steep terrain, existing buildings and play fields. The hillside was contoured to utilize the maximum level area while maintaining the educational function on one level, and all new construction was organized and phased so that existing school functions could be continued.

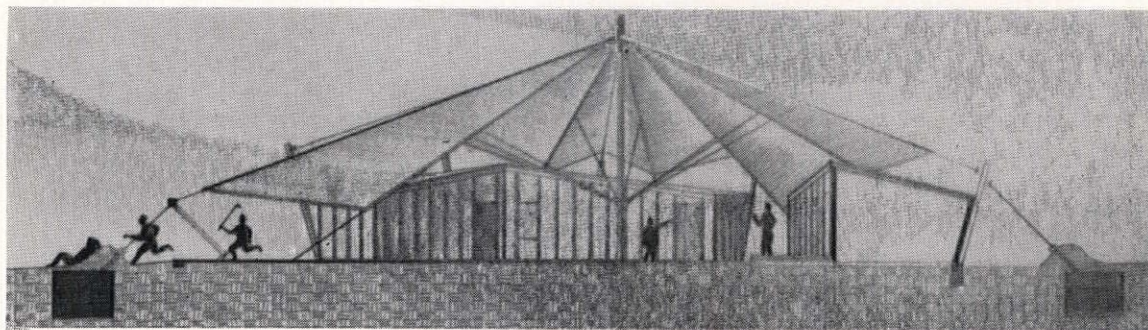
Teaching areas for various size groups and programs were grouped around the Materials Resource Center to provide optimum usage of the latest educational techniques. Teacher offices and workrooms were located adjacent to teaching areas providing maximum teacher accessibility and flexibility. Carpet was used in all academic areas and vinyl asbestos tile in the corridors. The building does not attempt to echo its rugged background, but rather to provide a contrast with long uncluttered lines.



**JOHN L. PIERS, ARCHITECT**  
**OGDEN, UTAH**  
**PHOTOGRAPHY: STACKHOUSE**

**RIVERDALE ELEMENTARY SCHOOL**  
**RIVERDALE, UTAH**  
**SUPERINTENDENT: WILLIAM R. BOREN**

Scaled to its young occupants, the Riverdale Elementary School presents long, low lines in a green landscaped setting. It provides the community with an attractive and useful facility within an allotted budget. This educational building was designed to meet the requirements of a contemporary teaching program with provision for sufficient flexibility to complement a team teaching approach and to offer the widest latitude for future change. Located on a site slightly in excess of five acres, the Riverdale School accommodates 540 elementary students. Academic areas are fully carpeted for an environment conducive to study.

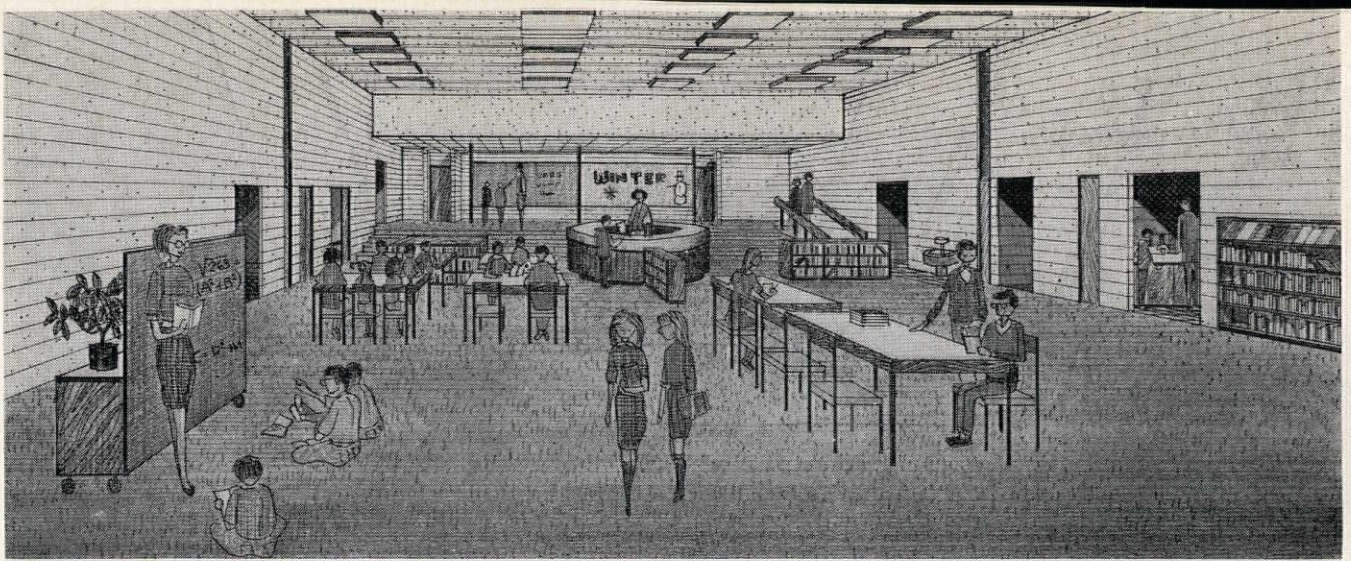


**CAUDILL ASSOCIATES**  
**ASPEN, COLORADO**  
**PHOTOGRAPHY: BARRY STOTT \* TONY GAUBA**

**ARNOLD PALMER GOLF ACADEMY**  
**VAIL, COLORADO**  
**RICHARD M. HAUSERMAN, PRESIDENT**

Designed for summer use, the Pavilion is the focal point on the circular 30-acre training site located in a uniformly-sloped mountain valley. The program, "The Total Golfer" immerses youngsters in a 14-hour training day for three weeks. The Pavilion's inviting character and the warm spacial feeling of the assembly space accommodate all aspects of the program not involving the swinging of a golf club. A canvas cover for the open assembly area evokes the spirit of summer . . . a space accommodating up to 300 students for shelter, small and large group lectures, rear-screen projected slides, films, and catered meals. Encompassing this space are permanent wood framed and sided structures for administration, storage of equipment, and rest room facilities. Large openings between the permanent structures permit an unimpeded flow of traffic and the canvas is supported by a suspended cable structure. The Pavilion and the out-of-doors are augmented by an in-town leased facility which is used as an elementary school during winter months. Since the school is open-planned with movable equipment, it is easily converted to meet the Academy's requirements during the summer. A simple straight-forward architectural approach to the educational program has created an adequate and attractive facility where the junior members of "Arnie's Army" can get a solid education in the fundamentals of the game of golf.

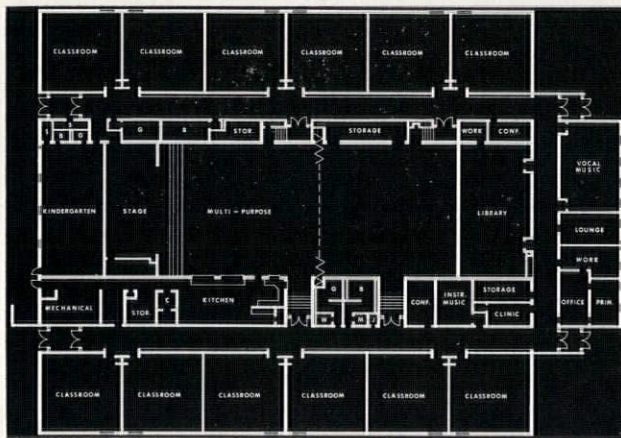




WILLIAM C. HALDEMAN  
DENVER, COLORADO

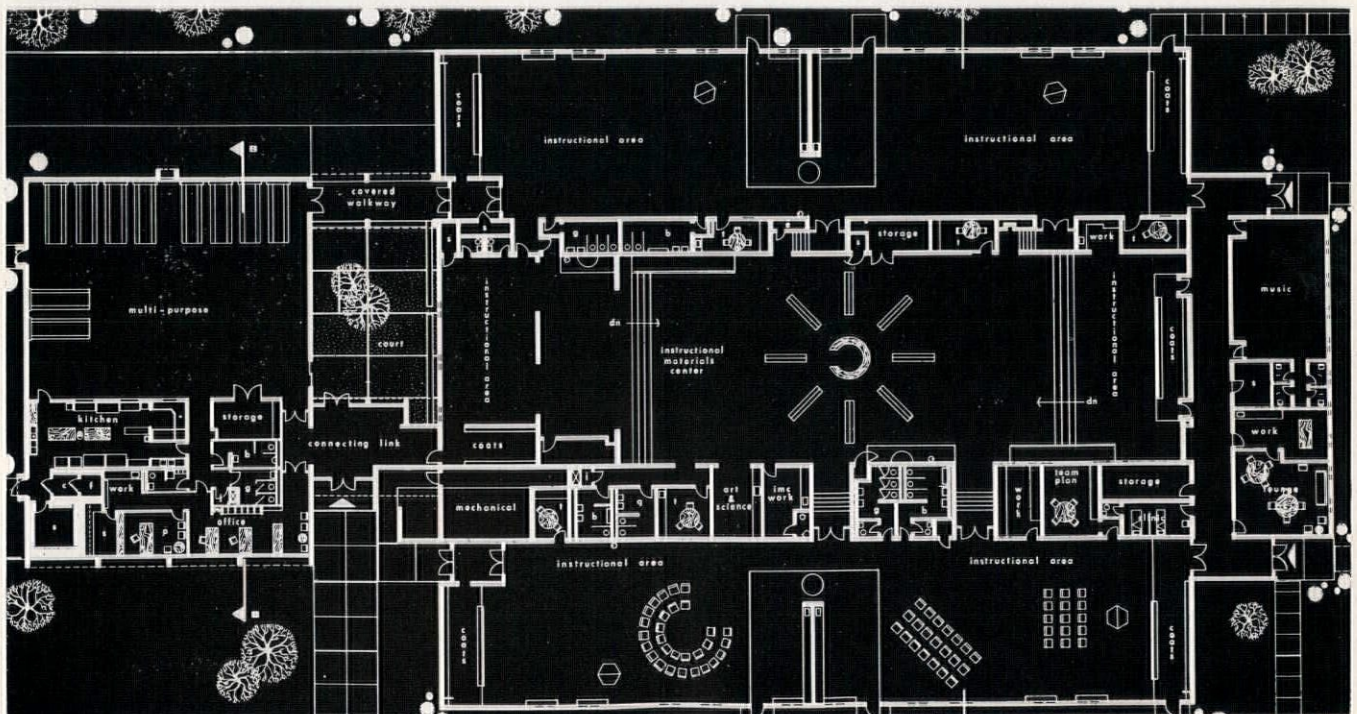
EASTRIDGE COMMUNITY ELEMENTARY SCHOOL  
ARAPAHOE COUNTY, COLORADO

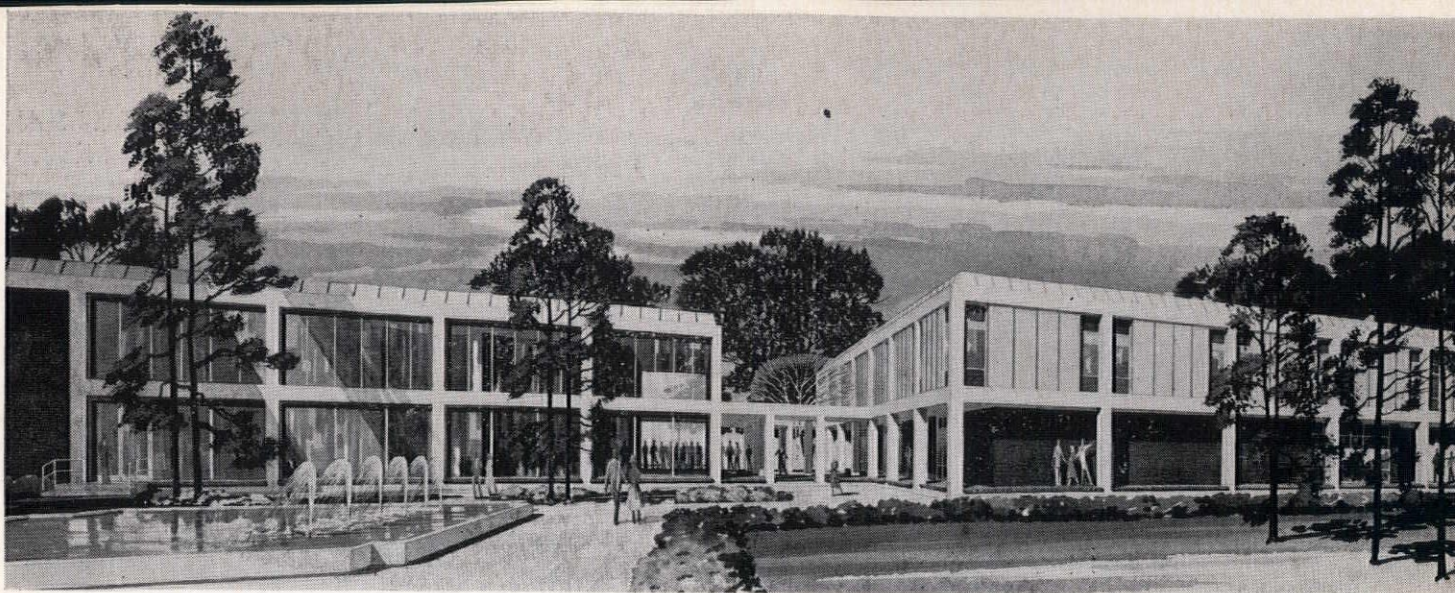
EDWARD C. PINO, SUPERINTENDENT



*Original Eastridge Floor Plan*

The Eastridge School may well be the shadow of things to come, for here is an implementation of the changing educational philosophy. Built in the early '60's, the original design was conventional classroom building. With the removal of classroom partitions and by incorporating corridors into the teaching space, the architect has been able to bring about a new dimension of open space conducive to new learning concepts. For each new instructional area developed, the area is enlarged to 3,600 square feet in place of three conventional rooms of 900 square feet each. This unit accommodates 100 students at 36 square feet per student in the same space designed to house 90 students at 30 square feet per student. The IMC which is slightly lower in grade forms a most interesting space, and a new multi-purpose room and administrative offices have been constructed forming an inner court beyond the existing building. Designed to house between five and six hundred students, the remodeled facilities will enable the professional staff to utilize the new patterns of team teaching and learning, non-graded progress, variable grouping and scheduling and independent study.





**MURRIN, KASCH, KAHN & ASSOCIATES**  
**DENVER AND STERLING, COLORADO**  
**DELINEATION: J. P. BRITTON**

**FINE ARTS AND HUMANITIES BUILDING**  
**NORTHEASTERN JUNIOR COLLEGE**  
**STERLING, COLORADO**

**ERVIN S. FRENCH, PRESIDENT**

Construction on the Humanities and Fine Arts Center on the campus of Northeastern Junior College located in Sterling, Colorado was completed in May of 1968. Containing approximately 65,000 square feet, the Center provides facilities for instruction in dramatics, art classes, music instruction and practice rooms. There is a theater seating 566 persons, exhibit rooms and student lounges. The stage design was developed in collaboration with Dr. Welby B. Wolfe, executive head of the Little Theater of the Rockies at Colorado State College in Greeley. It is a thrust stage, unique for northeastern Colorado, and the stage lighting equipment is most complete. In addition to serving the college, the Fine Arts and Humanities Center will act as a cultural center for performing and visual arts for this northeastern section of the State.

**GRANT C. BROWER AND ASSOCIATES**  
**POCATELLO, IDAHO**

**CHUBBUCK ELEMENTARY SCHOOL**  
**POCATELLO, IDAHO**  
**SUPERINTENDENT: RULON M. ELLIS**



Education specifications for the Chubbuck Elementary School called for a team teaching facility serving approximately 500 students in a rural setting near Pocatello. This school is a pilot plant in School District No. 25 in Bannock County, and if successful the district will turn to team or cooperative teaching throughout.

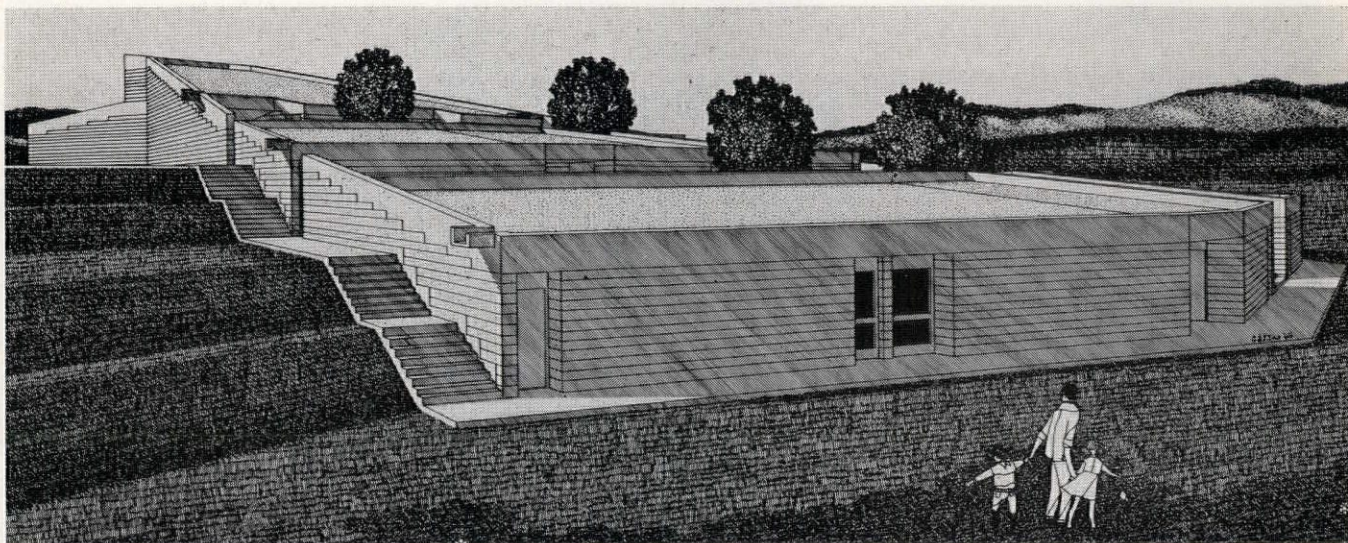
The school is designed with six hexagonal, teaching areas, each servicing approximately 90 students, arranged around the Materials Resource Center. Each of the teaching areas is self contained with the teachers' offices, cloak rooms, toilet rooms, etc., necessary to each grade, yet connected through the Materials Resource Center to the Administrative area and the Multi-purpose room.

Full school lunch facilities are incorporated in the design. All areas with the exception of toilet rooms, kitchen and multi-purpose room are carpeted. Teaching area walls are lined with corkboard to a height of 8 feet.

GEORGE WRIGHT ASSOCIATES  
ALBUQUERQUE, NEW MEXICO

SUPERINTENDENT: ERNEST ABREU

NORTHSIDE ELEMENTARY SCHOOL  
WEST LAS VEGAS, NEW MEXICO



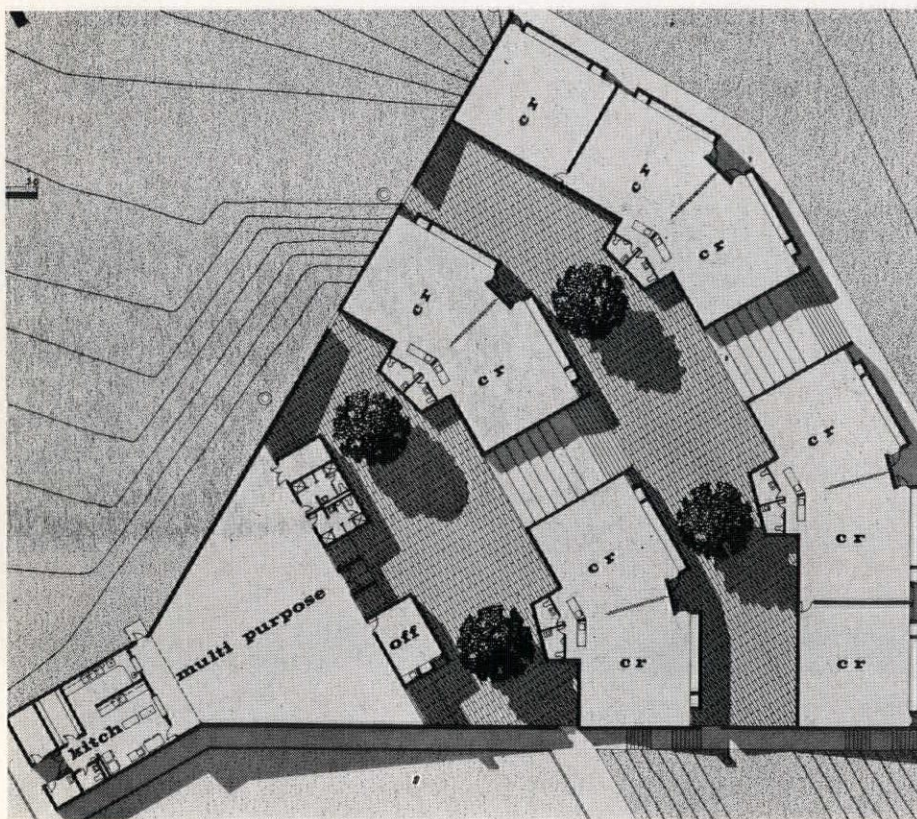
It was necessary for the designer of this school facility to fit the structure to the moderately hilly site without

spoiling the natural beauty of the surroundings. The school almost literally climbs the hill . . . with each level of

classrooms served by a smaller shielded play area designed to allow outside exercise in inclement weather with screening provided on all four sides by building and walls. The glass areas in the multi-purpose room at the crown of the hill presents a thrilling view toward distant mountains. Constructed on a "bare bones" budget, certain items were stretched to the limit, and much of the construction has been done by local labor, especially the exterior play yards, walks and drives.

The multi-purpose room serves as school lunch and meeting room, and fills the role of community common room. It is not large, but ideal for neighborhood functions since it can be operated without interfering with usual school activities. Showers are provided off this area for underprivileged children. The school is used during the summer months for the "Head Start" program.

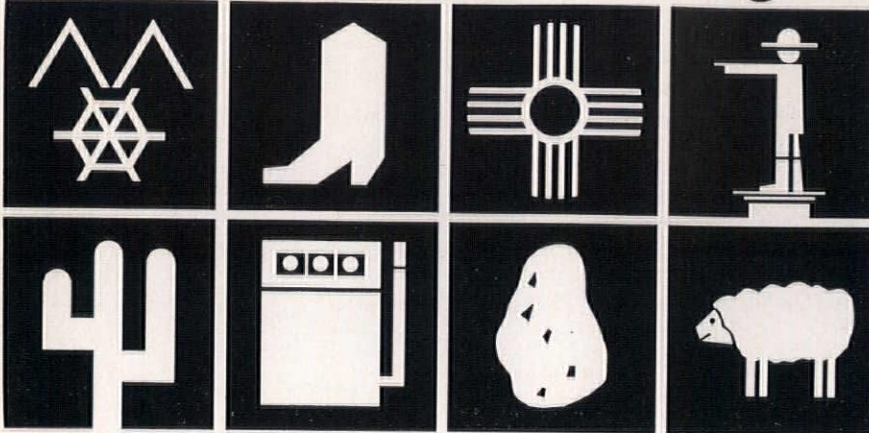
The school serves 200 students, K-6, and team teaching is used. Folding partitions between classroom units enable teachers to bring two or more classroom units together. Experience in this area has indicated that the combining of more than two units has been impracticable and unnecessary.



*(The Junior High School in Kemmerer, Wyoming, designed by the firm of Wheeler and Lewis, Denver, Colorado appears on our cover, and information on this educational structure may be found in "Symposia/about the cover.")*

# symposia/around the region

## colorado



## arizona

### Plant Slated for Completion

Smoke signals from Navajo-land indicate that the Fairchild Semiconductor Plant at Shiprock, New Mexico, will be completed by May 15th of this year. Jim Cushing reporting from Window Rock says that all they need is just a break from the weatherman to meet that date. The plant is being built by G. W. Stuckman, General Contractor from Albuquerque, and upon completion will employ more than 1,200 Navajos, principally women, in the manufacture of semi-conductors. Jim also tells us the Tribal Construction Department has begun construction on new post offices at both Shiprock and Window Rock. His office is hard at work on the drawings for several small post offices to be built at several sites on the Reservation. The structures will have relatively the same floor plan, but materials are being selected to make them "fit the site."

Even though Mr. C. is a pretty busy fellow in Navajo-land, he continues to maintain an active interest in the Construction Specifications Institute — he was the Albuquerque Chapter's first president, and, of course, does his Editorial Board chores for Symposia in his usual efficient manner. Great guy!

### New Staff Member

**Paul H. "Pete" Peters**, formerly Physical Plant Director at Northern Arizona University at Flagstaff, has joined the staff of Engineers Testing Laboratory of Phoenix and Tucson. Registered as a professional Civil Engineer in the states of Oregon and Arizona, Mr. Peters received his B.S. in Civil Engineering at Oregon State University in 1943. His background includes positions as field engineer for the U. S. Department of Health, Education and Welfare; University Engi-

neer at Oregon State and engineering work for Pettijohn Engineering Company. He will serve as manager for the Testing and Inspection Services Division of the Engineers Testing Laboratory.

### January Panel/CSI-Phoenix

Lumber Specifications moved into the spotlight at the January meeting of the very active Phoenix Chapter of the Construction Specifications Institute. Held at the Saddleback Inn on the 15th, the panel took up the whys and wherefors of Lumber Specs in a most efficient and professional manner. Those appearing on the panel were Frank Davis of the Arizona Retailers Lumber Association; Howard Hoffman, Western Wood Products Association, and Professional CSI Member Jack Jordon of the Desert Research Institute. And speaking of CSI/Phoenix, the January issue of "Cactus Comments" contained a very interesting brief report on CSI participation in building code activities. Chairman of the Phoenix Technical Committee, Craig Walling, Jr., did an outstanding job of summarizing the situation. Since Building Codes are responsible for more than enough "hang-ups" in the Construction Industry, Mr. Walling's point is well taken. Other CSI Chapters might query Phoenix on this one—they've done some good spade work!

### New Faces

The Governor's Commission on Arizona Beauty welcomes some new faces in this new year. Among those present, according to the January Newsletter, are Edward L. Starr, Architect from Nogales, and N. A. "Bill" Winter, Jr., of the Arizona Wildlife Federation. Returning to the fold after an extended absence is Harry F. Higgins of the Arizona Department of Economic Planning and Development.

### WICS to Honor the Boss

February 19th is the date selected by the Metropolitan Denver Chapter of the National Association of Women in Construction to pay tribute to "The Boss." The Silver Glade at the Cosmopolitan Hotel will provide the backdrop for this gala which, always receives an enthusiastic reception from both WIC's and the gentlemen in attendance. This year's chairman, perky Roberta Leeper has instituted two exciting innovations. By secret (and we do mean hush-hush) ballot, a "Boss of the Year" will be chosen and honored at this annual affair. There will also be an entertainment extravaganza . . . those participating in the preparation and perpetration of this "Poor Man's Follies of 1969" wish to remain anonymous. You know the line—"names are being withheld to protect the guilty" . . . or maybe it should be "pending notification of the nearest of kin." All in all, it looks to be a "wowser."

### David Muirhead, C.A.P.



### New Position/New Appointment

The Associated Building Contractors of Colorado, Inc. (AGC) have announced the appointment of David Muirhead of Boulder to the newly created position of General Manager of the Construction Advancement Program in Colorado. Mr. Muirhead is a graduate of Nebraska Wesleyan University, holds a Masters degree from Colorado State College in Greeley and was a Harvard University Fellow in Education where he studied training methods and communication. He has served as a management consultant in both business and industry working in personnel training and development, advertising, sales and management. He has also taught and has been assigned to adminis-

trative functions at the secondary school and college level. Mr. Muirhead comes to his CAP position from the University of Colorado where he has been the Director of Admissions and Records for the past nine years. Mr. Muirhead and his wife, Carolyn, live in Boulder and have two college-age sons, "Doug" at Stanford and Scott who attends Colorado State University in Ft. Collins.

He will work with members of the Associated Building Contractors and industry - related organizations, schools, colleges, vocational and technical programs and community agencies in developing training and educational programs relating to the construction field, and establishing marketing and research projects aimed toward improving the building construction industry.

#### Pikes Peak Chapter/CSI

By the time February's Symposia reaches you, this will be history. On January 24th, Mr. Kelsey V. Saint, FCSI, and national president of the Construction Specifications Institute presented the Pikes Peak Chapter with their brand new Charter. The Denver Chapter's Committee, headed by Architect Larry Bourn, threw in the first ball, but a Colorado Springs team of Strong, Albers and Carson certainly took the pitch for a great first inning rally. The newly chartered Chapter officers are Terry Strong (Lamar Kelsey & Associates), President; Dorothy Albers (Lusk and Wallace, Architects), Vice President; Clinton Keller (Ready-Mix Corporation), Second Vice President; Lyle Mayhew (Scurr, Messenger & Associates), Secretary-Treasurer. The Board members include Consulting Engineer Howard

Dutzi, Jack Plank (Carlisle B. Guy, Architect), and Industry Representative Bill Carson. Jack Plank will head up the Technical Committee; Howard Dutzi, the Program Committee; Bill Carson, the Membership Committee, and Meeting Arrangements will be made by Russell J. Hammersmith. The Newsletter will be edited by Lorraine (Larry) W. Snedacker (Construction News Service). This all adds up to a really great team—and the Pikes Peak Chapter is a most distinguished addition to the Institute's Region 10.

## montana

### Montana Legislation

The 1969 Montana Legislature convened on January 6th, and will be in session for 60 days. This is, of course, the chief concern of all thinking members of the architecture/engineering/construction community. Principal interest of the AIA/Montana is the adoption of the Uniform Building Code and the Consulting Engineers Council/Montana will undoubtedly push again for a Statute of Limitations on Professional Liability. All legislative efforts are channeled through Montana's Technical Council. President of this very active grouping is Ben Hurlbut of Billings. All of this, naturally, ties in with the Big Legislative Year meeting of all concerned with the Construction Industry being held February 6-8 at the Northern Hotel in Billings.

## nevada

### Optimism Reigns

In reviewing 1968 construction in Nevada, Robert L. Helms, President

of the Nevada Chapter of the Associated General Contractors of America, said AGC members put in place close to 85% of all contract construction during the past year, and that figure runs about \$400 million. This figure, Mr. Helms explained, includes a \$190 million dollar project in Southern Nevada for California-Edison. According to Helms: "Excluding the power project, construction volume in Clark County was \$85 million for 1968—an increase of 16% over 1967, and in northern Nevada, the \$115 million figure represents an increase of over 40%."

The AGC President says AGC members view 1969 with the feeling of optimism. The need for additional housing units and a rise in highway construction volume will play important roles in the anticipated expansion. This growth, Helms says, will be far more stable than the rapid rise and decline of construction volume experienced in 1962 and '63.

### Annual AGC Meeting

Nevada's AGC will gather in Sparks, Nevada on February 1 for their Annual meeting with about five hundred contractors, their wives and guests in attendance. The ladies, incidentally, have been included in the luncheon invitation because of the outstanding reputation of the speaker, Mr. William P. Lear, Sr. internationally known as an inventor and designer. The evening Banquet will be highlighted by the presentation of the Second Annual AGC S.I.R. Awards. These awards are made on the basis of nominations from any Nevada resident and are made for an outstanding contribution to Nevada's construction

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industry during the year past. The S.I.R. Award is a gold Statuette adapted from a Norman Rockwell painting entitled the "Spirit of Construction". The four S.I.R. Awards last year were made to W. T. Holcomb, Reno Public Works Director; Al Solari, Painting Contractor; State Senator Carl Dodge and the Sierra Construction Company of Las Vegas. S.I.R. incidentally stands for Skill, Integrity and Responsibility, the familiar AGC pledge.

## new mexico

### Early Start for AGC

The New Mexico Building Branch, Associated General Contractors of America, started its 1969 Speakers' Program off with a bang. Indeed, the year started a month early—in December, 1968, when President Bill Jourdan officially assumed the duties of president from outgoing leader Stan Borthwick of the Lembke Construction Company. Jourdan is a general contractor whose home office is in Hobbs, New Mexico. The contractors had their first dinner meeting in December under the new administration. Charles Lanier, president of the Industrial Foundation of Albuquerque, spoke before the group on the "Economic Development Potential of Albuquerque." He mentioned the significance of the surtax as important to the economic future of Albuquerque and its potential as a drawing card to industry. Rex Allender addressed the members at the regular meeting in January. Allender is Director of the City Urban Renewal Agency. Alva J. Coats, manager of the New Mexico Building Branch, arranged for Allender to speak before the group on

the subject of urban renewal, an area of prime interest to the general contractor. The AGC is recognized as the official spokesman for the construction industry; and through the association, the contractors work for the mutual benefit of the contractors and the entire construction industry.

Bob Fisher, sales representative for the Ideal Cement Company in Albuquerque, has been reappointed chairman of the Program Committee. He did such a fine job in 1968 under President Borthwick that Bill Jourdan has asked him to remain for another season. He has already planned the coming year's program, and it looks like another smashing success. During the year, the Committee schedules at least two "Ladies' Nights" so that member contractors can take the little lady out occasionally. This practice assures "house passes" for the remaining meetings, or at least that's what they tell us!

### Carroll Heads CPLIA

An Industry leader for many years, Bill C. Carroll of Albuquerque, New Mexico, assumed the presidency of the Contracting Plasterers and Lathers International Association on January one. Board Member, Joe Boehning, AIA, writes this very special endorsement of Bill . . . "As you may recall, Bill Carroll resigned as a director of the Albuquerque Chapter, CSI, several weeks ago. This was, of course, because of his election to the presidency of the CPLIA. We are certainly proud to have a president of an international organization from Albuquerque, and especially proud of Bill who has demonstrated outstanding leadership and business sense in operating his lathing and plastering company. He has a great reputation,

and architects are glad when Bill turns up as the plastering subcontractor on their jobs."

The dynamic Mr. Carroll's operations are headquartered in Albuquerque with branch offices in Denver and Dallas.

### Field Engineer Appointed

Ken Hansen, Managing Engineer of the New Mexico office/Portland Cement Association, and immediate past-president of the Albuquerque Chapter/CSI, has announced the appointment of a field engineer to be headquartered in Santa Fe. He is David L. Rydquist who is a graduate of Montana State University and who spent some six years as an engineer for the Montana Highway Commission. Mr. R. is a member of the American Society of Civil Engineers and the National Society of Professional Engineers. He is married and the father of three children . . . Todd, Jill and Jamie.

### CSI/Attendance

The Albuquerque Chapter of the Construction Specifications Institute set something of a record at their January meeting. On January 14th, 62 members and guests showed up at the Sundowner for a meeting which featured W. A. Haas, Senior Project Engineer, Fire Protection Department, Underwriter's Laboratories, Inc. of Chicago, Illinois. The story behind this record-breaker according to Symposia Editorial Board Member, Bob Schmidt, goes back to a brainstorming session in re: attendance. John Reed, AIA, suggested each CSI Industry member bring a Professional Member to a meeting. Result:

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attendance was almost doubled from the usual 30 to 40 who turn up each month!

To achieve much the same end, an attendance prize is being offered—each month, one name is drawn from all member's names . . . if present, he receives a General Electric 10-transistor AM/FM radio. If absent . . . there is no prize awarded and they wait 'til next month. We understand Russ Welch had his name drawn last month . . . and wasn't there . . . much gnashing of teeth on his part, naturally!

## utah

### Inaugural/AIA

We will be all wrapped up on the February issue when this gala takes place, but all plans point to a memorable evening as the Utah Chapter of the American Institute of Architects meets at the beautiful Fort Douglas Club on January 31. Jointly sponsored by the Intermountain Chapter of the Producers' Council, the dinner dance will feature the inauguration of the new 1969 officers. Regional Director of the Western Mountain Region, Dean Sidney Little, FAIA, of Tucson will be present to install the new officers and to deliver a brief report on professional developments throughout the country. Following so close upon the heels of the Grass Roots meeting in San Francisco held in mid-January, Dean Little's report should be of more than normal import to the profession.

### There've Been Some Changes Made!

One of the nicest letters to greet Ye Ed's tired old eyes came in January from Mr. Gerald T. Young who is the District Sales Manager for the U. S. Lime Division/Flintkote Company in Salt Lake City. In addition to many, many kind words, Mr. Y. reports—"The Salt Lake Chapter of the C.S.I. is growing quite rapidly and a good percentage of that growth is due to interest created in CSI by Symposia. Recently, our company had the good fortune to employ Mr. Ted Heleotes as a sales representative working out of the district sales office in Salt Lake City. Many C.S.I. members and Symposia readers throughout Region 10 remember Ted as the editor of the "Salt Lake Chapter News." Mr. Heleotes will be responsible for a portion of the Intermountain District Sales Territory that includes Utah, Idaho, Northeastern Nevada, Montana, Wyoming, Colorado, New Mexico and a part of Texas." Thanks to Mr. Young for the info and

## symposia/march

### look for:

- ! the difference—the design team
- ! the summary of the CSI Region 10 conference—with pictures!
- ! legislation/1969

kind words—always welcome at the Symposia office. Because of his peregrinations throughout the Region, Mr. H. has resigned as Editor of the CSI Newsletter in Salt Lake City, and will be replaced by Gordon G. Arkley of Owens-Corning Fiberglas. Ted will assist Gordon during those first few issues when the going is especially rocky.

### Utah Engineers—Busy! Busy!

Four Utah Consulting Engineers report new work on the boards, and that's always good news in the architecture/engineering/construction community. Curtis Engineers have recently completed the design of a 31-foot deep rectangular concrete shaft collar and shaft house for the American Smelting and Refining mine in Leadville, Colorado. Nielsen and Maxwell have been commissioned by the Central Weber Improvement District to design and prepare plans and specifications for the Pleasant View-Harrisville, Utah, outlet sewer. Caldwell, Richards and Sorensen have prepared the final report to the Great Salt Lake Authority on the "Tailings Feasibility Test," and a \$2 million contract has been awarded Bush and Guggell to design a sewage collection system and treatment plant, water distribution system, roads and drainage system for the Bloomington area near St. George, Utah. The project is slated for completion in approximately 20 months.

## wyoming

### AIA Forecasts Big Year

A letter from our Editorial Board Correspondent in Wyoming, Mr. Jerry Deines, and a telephone conversation with newly elected Wyoming AIA President, Jack Toohey of Worland combine to forecast a most interesting 1969 for Wyoming architects. Jack who was on his way to meet wife, Chloe, in Salt Lake City and go on to the Grass Roots meeting in

San Francisco said he is planning a meeting soon in Casper, and the Wyoming Society will also participate in a late Spring meeting with Architectural students at the University of Wyoming at Laramie.

Jerry further reports on architectural prospects for the year ahead . . . "Wyoming in years past has not grown too much, but, we have remained with a small, steady gain. I feel this coming year will be a very good one, architecture wise. There have also been some very significant oil well discoveries and discoveries of uranium and coal, too." This we all like to hear!



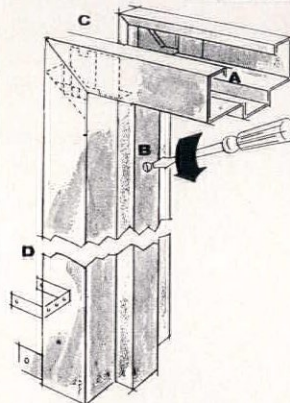
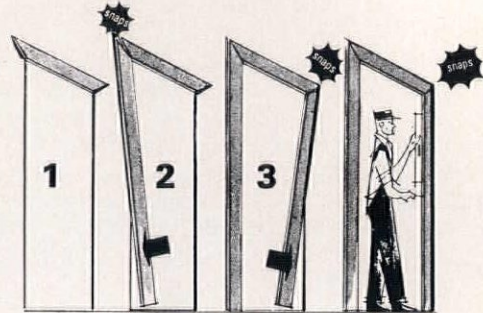
Art V. Maxwell, President-Elect  
Consulting Engineers Council/US

### CEC/Wyoming

A significant meeting was held by the Wyoming Association of Consulting Engineers and Surveyors a month or so ago. The guest speaker was President-Elect of the CEC/US, Mr. Art V. Maxwell of Salt Lake City. Mr. Maxwell discussed a number of items of special interest when he addressed the group at the general membership meeting and again in the evening at the Banquet. Mr. Maxwell will assume the CEC presidency at the Annual Convention May 12-15 at the Sahara Hotel in Las Vegas, Nevada.

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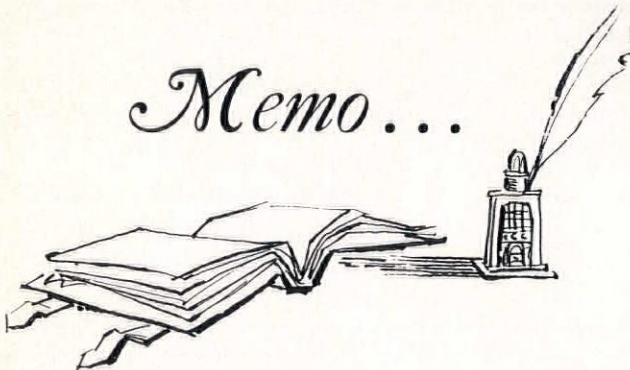
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(NOTE: Symposia brings you "Memo" each month as a "string around your finger" to help you remember those important dates in the architecture/engineering/construction community. We appreciate having full details . . . what, where and when, in our office by the 10th of the month preceding publication. Thank you all for your fine cooperation. Address meeting notices to SYMPOSIA, 4070 Estes Street, Wheat Ridge, Colorado 80033—to the attention of Florence Morrison.)

#### of regional interest

**FEB. 6-8:** Winter Meeting/All members of the Architecture, Engineering, Construction Community—Northern Hotel, Billings, Montana.

**FEB. 16-19:** Building Owners and Managers/Southwest Conference. Hilton Hotel, Denver, Colorado.

**FEB. 17-19:** Fourth Annual Convention and Precast Concrete Industries Exposition. Denver Hilton Hotel—Denver, Colorado.

**FEB. 19-22:** State Architectural Registration Boards/Western Conference. Salt Lake City, Utah.

#### arizona

**FEB. 3:** American Institute of Architects/Central Arizona Chapter—Executive Committee Meetings—4:00 p.m.

**FEB. 10:** Construction Specifications Institute/Tucson Chapter Board of Directors Meeting. Noon at the Rallis Restaurant.

**FEB. 12:** Construction Specifications Institute/Phoenix Chapter—Board of Directors Meeting.

**FEB. 12:** Women in Construction/Tucson Chapter. Regular membership meeting. Telephone notifications of time and place.

**FEB. 17:** Producer's Council/Phoenix Chapter. Informational Meeting sponsored by Georgia Pacific Co.

**FEB. 19:** Construction Specifications Institute/Phoenix Chapter Regular Membership Meeting. Social hour 6:00—Dinner 7:00—Meeting 8:00 p.m. Saddleback Inn, 2420 East Camelback Road. (Reservations should be made with Joe Gabriel, Secretary—Telephone 275-4741).



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## colorado

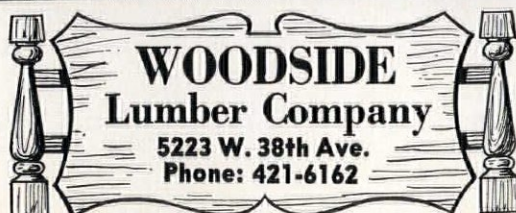
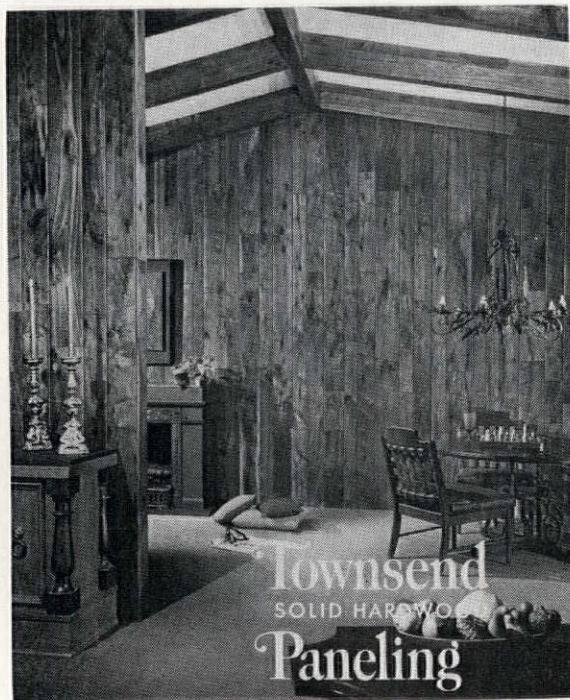
- FEB. 4:** Consulting Engineers Council/Colorado—Director's Meeting. Cocktails 6:00—Dinner: 6:30 p.m. Denver Press Club (Note: All members are invited and urged to attend Board meetings. For reservations: telephone 757-3379 before noon of the previous day.)
- FEB. 4:** Associated Building Contractors of Colorado, Inc. (AGC) Special dinner meeting of General Contractor members—Brown Palace Hotel, Denver. Social period begins 6:30 p.m.
- FEB. 5:** Association of Remodeling Contractors/Board of Directors Dinner meeting. 6:30 p.m. Four Winds Motel, Denver.
- FEB. 10:** Architectural Secretary's Association—Regular monthly membership meeting.
- FEB. 10:** Associated Building Contractors of Colorado, Inc. (AGC) Regular dinner meeting of Colorado Springs area members—Dublin House. Social period begins at 6:30 p.m.
- FEB. 11:** Producer's Council. Informational meeting. Ed Kimball, Sales Promotion/Wood Products — Georgia Pacific present. Cherry Creek Inn, 12:00 noon.
- FEB. 11:** Colorado Masonry Contractor's Association. Contracting members only. Social Hour: 6:30—Dinner 7:00 p.m. Engineers Club Building.
- FEB. 12:** American Institute of Architects/South Chapter. Regular Dinner meeting 6:30—place to be announced.
- FEB. 12:** Construction Specification Institute Denver Chapter Regular Membership meeting. Cocktails: 6:00—

Dinner 6:30—Program 7:30—Spa Motor Inn, 930 Valley Highway.

- FEB. 13:** Mechanical Contractors Association. Regular Luncheon Meeting. Noon. New Plumbing Showcase, 2727 W. 6th Ave.
- FEB. 13:** Colorado Pipe Trades Industry Program/Board of Trustees 4:00 p.m. New Plumbing Showcase.
- FEB. 19:** Women In Construction/Metropolitan Denver Chapter Annual Bosses night. Dinner, entertainment. Cocktails 6:30—Dinner 7:30. Silver Glade, Cosmopolitan Hotel.
- FEB. 20:** Colorado Association of Engineering Technicians Meeting, 7:30 p.m., Engineers Club.
- FEB. 20:** American Institute of Architects/Central Chapter Membership Dinner Meeting. Place to be announced.
- FEB. 20:** Construction Specifications Institute/Pikes Peak Chapter — Regular Membership Meeting — Cocktails: 6:00—Dinner: 7:00—Meeting: 8:00 p.m. Unless notified to the contrary . . . The Candlelight Inn, Colorado Springs.
- FEB. 24:** Associated Building Contractors of Colorado, Inc., Executive Committee Luncheon Meeting. Silver Room, Engineers Club Building, 1380 South Santa Fe Drive, Denver, at 12:00 Noon.
- FEB. 24:** Construction Advancement Program (C.A.P.) Associated Building Contractors of Colorado, Inc., Trustees Meeting—ABC Conference Room, Engineers Club Building, 1380 South Santa Fe Drive, Denver, Colorado 2:00 p.m.
- FEB. 25:** Consulting Engineers Council/Colorado—Regular Membership Meeting, Cocktails: 5:30—Dinner: 6:30 p.m., Denver Press Club.
- FEB. 25:** Construction Specifications Institute Denver Chapter Board Meeting. Noon—Engineers Club.
- FEB. 27:** Mountain States Bureau for Lathing and Plastering Board of Governors—10 a.m., 221 Santa Fe Drive.

## montana

- FEB. 6-8:** Winter Meeting/All members of the Architecture, Engineering, Construction Community—Northern Hotel, Billings, Montana.



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## nevada

**FEB. 1:** Associated General Contractors/Nevada Chapter Annual Meeting. President's Luncheon: William P. Lear Sr. is the speaker. Noon. S I R Awards Banquet in the evening. Circus Room of the Sparks Nugget, Sparks, Nevada.

## new mexico

**FEB. 11:** Construction Specifications Institute/Albuquerque Chapter. Regular Membership Meeting. Happy Hour: 5:30—Dinner: 6:30—Meeting: 7:30 p.m. Sun-downer Motel. (Note any CSI members in town on this date are cordially invited to join "the group.")

**FEB. 13:** American Institute of Architects/Santa Fe Chapter Regular membership meeting—High Noon—The Forge.

**FEB. 13:** Construction Specifications Institute/Albuquerque Chapter. CSI SPECIFICATIONS SCHOOL . . . FIRST SESSION. 4:00-6:00 p.m. Department of Architecture/University of New Mexico, Albuquerque. (For Complete Details: See "Around the Region"—New Mexico.)

**FEB. 18:** American Institute of Architects/Albuquerque Chapter. Regular meeting 7:30 p.m.—Department of Architecture, University of New Mexico.

**FEB. 20:** Construction Specifications Institute/Albuquerque Chapter. CSI Specifications School—2nd Session. 4:00-6:00 p.m. Department of Architecture/New Mexico University.

**FEB. 25:** Construction Specifications Institute/Albuquerque Chapter. Board of Directors meeting—5:15 p.m.—Office of the University Architect/University of New Mexico.

**FEB. 26:** Consulting Engineers Council/New Mexico, Board of Directors meeting, 11:30 a.m.—General Membership 12:00 noon. Luncheon. Eby's Restaurant, 6804 Menaul Boulevard N.E. (Across from Coronado Shopping Center, Albuquerque.)

**FEB. 27:** Construction Specifications Institute/Albuquerque Chapter. CSI Specifications School—3rd Session. 4:00-6:00 p.m. Department of Architecture/New Mexico University.

## utah

**FEB. 4:** Construction Specifications Institute/Salt Lake Chapter Board Meeting—Appointment of the Nominating Committee for 1969 officers.

**FEB. 12:** Consulting Engineers Council/Utah. Executive Board Meeting Ambassador Club Oak Room, 11:30.

**FEB. 12:** Consulting Engineers Council/Utah. General Membership, Oak Room, Ambassador Club—12:00 Noon. Please confirm your attendance by calling Ivan Haslem—266-8625.

**FEB. 15:** Utah Engineering Council. Regular breakfast meeting—7:00 a.m.—Holiday Inn, Salt Lake City.

**FEB. 18:** Construction Specifications Institute/Salt Lake City Chapter. Regular Membership meeting. Social hour: 6:30—Dinner: 7:00—Meeting: 8:00 p.m. The World Motel, 1900 South State Street.

## february funny

Let's credit our witty Montana Editorial Board Member for this one. Cal Hoiland (A.I.A.-Great Falls) suggests this quote for our February issue . . .

"A friend asked me if I was working,  
An' I told him, "Man, and how!  
I'm looking for the fellow who invented sex,  
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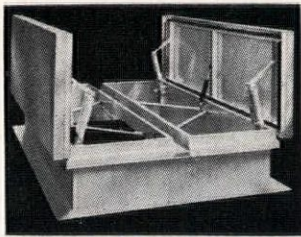
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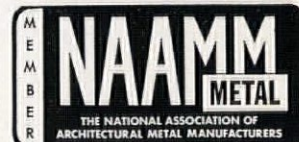
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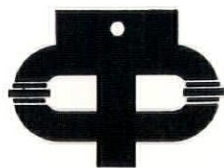
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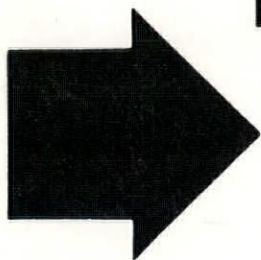
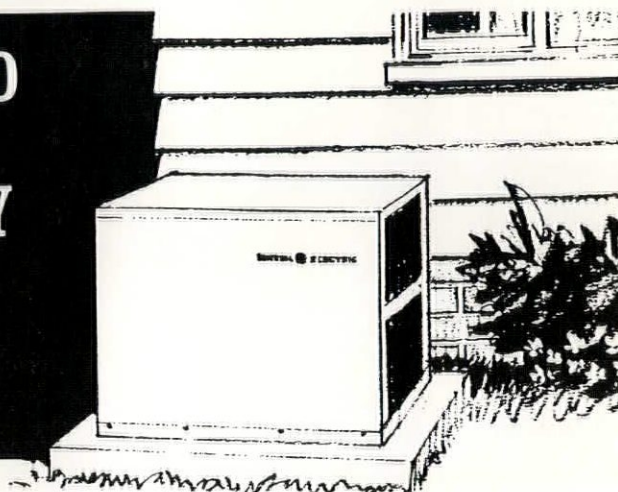


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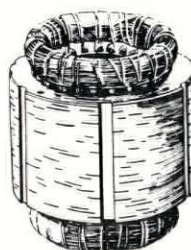
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